

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: July 27, 2005, 01:21:45 ; Search time 35.3692 Seconds  
(without alignments)  
384.932 Million cell updates/sec

Title: US-10-792-311-1

Perfect score: 166  
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Gapop 10.0 , Gapext 0.5

Searched: 1741741 seqs, 388992284 residues

Total number of hits satisfying chosen parameters: 1741741

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Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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Published Applications AA:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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4	108	65.1	45	17	US-10-792-311-2
5	108	65.1	86	9	US-09-816-989A-6
6	108	65.1	86	17	US-10-792-311-6
7	105.5	63.6	66	9	US-09-816-989A-4
8	105.5	63.6	66	17	US-10-792-311-4
9	105	63.3	109	9	US-09-816-989A-7
10	105	63.3	109	17	US-10-792-311-7
11	104.5	63.0	56	9	US-09-816-989A-3

12	104.5	63.0	56	17	US-10-792-311-3	Sequence 3, Appli
13	104.5	63.0	77	9	US-09-816-989A-5	Sequence 5, Appli
14	104.5	63.0	77	17	US-10-792-311-5	Sequence 5, Appli
15	86.5	52.1	427	17	US-10-741-849-7226	Sequence 7226, Ap
16	82	49.4	157	15	US-10-282-122A-5398	Sequence 5398, A
17	81	48.8	372	15	US-10-282-122A-68109	Sequence 68109, A
18	76	45.8	347	14	US-10-127-032-120	Sequence 120, App
19	76	45.8	347	14	US-10-282-122A-66237	Sequence 66237, A
20	74	44.6	372	10	US-09-820-843A-8	Sequence 8, Appli
21	74	44.6	372	16	US-10-467-421-16	Sequence 16, Appli
22	72	43.4	80	14	US-10-177-725-13	Sequence 13, Appli
23	72	43.4	80	14	US-10-177-725-14	Sequence 14, Appli
24	72	43.4	80	14	US-10-177-725-63	Sequence 63, Appli
25	72	43.4	80	14	US-10-177-725-64	Sequence 64, Appli
26	72	43.4	80	14	US-10-393-449-13	Sequence 13, Appli
27	72	43.4	80	15	US-10-393-449-14	Sequence 14, Appli
28	72	43.4	80	15	US-10-393-449-63	Sequence 63, Appli
29	72	43.4	80	15	US-10-393-449-64	Sequence 64, Appli
30	72	43.4	85	14	US-10-177-725-15	Sequence 15, Appli
31	72	43.4	85	14	US-10-177-725-65	Sequence 65, Appli
32	72	43.4	85	15	US-10-393-449-15	Sequence 15, Appli
33	72	43.4	85	15	US-10-393-449-65	Sequence 65, Appli
34	72	43.4	329	15	US-10-282-122A-67699	Sequence 67699, A
35	71	42.8	336	15	US-10-282-122A-69962	Sequence 69962, A
36	70.5	42.5	189	16	US-10-767-701-60774	Sequence 60774, A
37	70	42.2	1130	15	US-10-369-493-6751	Sequence 6751, Ap
38	69.5	41.9	146	15	US-10-296-115-1023	Sequence 1023, Ap
39	69.5	41.9	165	9	US-09-738-625-5751	Sequence 5751, Ap
40	69.5	41.9	421	15	US-10-282-122A-56483	Sequence 56483, A
41	67	40.4	258	14	US-10-156-761-9957	Sequence 9957, Ap
42	66.5	40.1	79	14	US-10-177-725-20	Sequence 20, Appli
43	66.5	40.1	79	15	US-10-393-449-20	Sequence 20, Appli
44	66.5	40.1	582	9	US-09-919-497-100	Sequence 100, App
45	66	39.8	120	16	US-10-767-701-45061	Sequence 45061, A

#### ALIGNMENTS

RESULT 1

US-09-816-989A-1

Sequence 1, Application US/09816989A

Patent No. US20020115103A1

GENERAL INFORMATION:

APPLICANT: Gad, Alexander

TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK

FILE REFERENCE: 2609/60807-A-PCT-US

CURRENT APPLICATION NUMBER: US/09/816, 989A

CURRENT FILING DATE: 2001-03-23

PRIOR APPLICATION NUMBER: 60/101, 693

PRIOR FILING DATE: 1998-09-25

PRIOR APPLICATION NUMBER: PCT/US99/22402

PRIOR FILING DATE: 1999-09-24

NUMBER OF SEQ ID NOS: 7

SOFTWARE: PatentIn version 3.1

SEQ ID NO 1

LENGTH: 35

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide

US-09-816-989A-1

Query Match 100.0%; Score 166; DB 9; Length 35;

Best Local Similarity 100.0%; Pred. No. 2e-11;

Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKKYAKKEKAAYKAKAAYEA 35

DB 1 AKKYAKKEKAAYKAKAAYEA 35

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RESULT 2
US-10-792-311-1
; Sequence 1, Application US/10792311
; Publication No. US20050038233A1
; GENERAL INFORMATION:
; APPLICANT: Gad, Alexander
; APPLICANT: Lis, Doris
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK
; FILE REFERENCE: 2609/60807-A-PCT-US
; CURRENT APPLICATION NUMBER: US/10/792,311
; PRIOR FILING DATE: 2004-03-02
; PRIOR APPLICATION NUMBER: US/09/816,989
; PRIOR FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/101,693
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: PCT/US99/22402
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
US-10-792-311-1

Query Match      100.0%; Score 166; DB 17; Length 35;
Best Local Similarity 100.0%; Pred. No. 2e-11;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1 AKKYAKKERAKKAYKKEAKKAAEAAKAAEAYEA 35

RESULT 3
US-09-816-989A-2
; Sequence 2, Application US/09816989A
; Patent No. US20020115103A1
; GENERAL INFORMATION:
; APPLICANT: Gad, Alexander
; APPLICANT: Lis, Doris
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK
; FILE REFERENCE: 2609/60807-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/816,989A
; PRIOR FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/101,693
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: PCT/US99/22402
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 45
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
US-09-816-989A-2

Query Match      65.1%; Score 108; DB 9; Length 45;
Best Local Similarity 64.4%; Pred. No. 5.7e-05;
Matches 29; Conservative 1; Mismatches 5; Indels 10; Gaps 2;

Qy      1 AKKYAKKERAKKAYKKEAKKAAEAAKAAEAYEA 35
Db      1 AKKYAKKERAKKAYKKEAKKAAEAAKAAEAYEA 45
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RESULT 4
US-10-792-311-2
; Sequence 2, Application US/10792311
; Publication No. US20050038233A1
; GENERAL INFORMATION:
; APPLICANT: Gad, Alexander
; APPLICANT: Lis, Doris
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK
; FILE REFERENCE: 2609/60807-A-PCT-US
; CURRENT APPLICATION NUMBER: US/10/792,311
; PRIOR FILING DATE: 2004-03-02
; PRIOR APPLICATION NUMBER: US/09/816,989
; PRIOR FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/101,693
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: PCT/US99/22402
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 45
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
US-10-792-311-2

Query Match      65.1%; Score 108; DB 17; Length 45;
Best Local Similarity 64.4%; Pred. No. 5.7e-05;
Matches 29; Conservative 1; Mismatches 5; Indels 10; Gaps 2;

Qy      1 AKKYAKKERAKKAYKKEAKKAAEAAKAAEAYEA 35
Db      1 AKKYAKKERAKKAYKKEAKKAAEAAKAAEAYEA 45

RESULT 5
US-09-816-989A-6
; Sequence 6, Application US/09816989A
; Patent No. US20020115103A1
; GENERAL INFORMATION:
; APPLICANT: Gad, Alexander
; APPLICANT: Lis, Doris
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK
; FILE REFERENCE: 2609/60807-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/816,989A
; PRIOR FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/101,693
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: PCT/US99/22402
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
US-09-816-989A-6

Query Match      65.1%; Score 108; DB 9; Length 86;
Best Local Similarity 57.4%; Pred. No. 0.00011;
Matches 27; Conservative 2; Mismatches 6; Indels 12; Gaps 1;

Qy      1 AKKYAKKERAKKAYKKEAKKAAEAAKAAEAYEA 35
Db      40 AKKYAKKERAKKAYKKEAKKAAEAAKAAEAYEA 86

RESULT 6
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US-10-792-311-6  
; Sequence 6, Application US/10792311  
; Publication No. US20050038233A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lie, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/10/792,311  
; CURRENT FILING DATE: 2004-03-02  
; PRIOR APPLICATION NUMBER: US/09/816,989  
; PRIOR FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
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; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 6  
; LENGTH: 86  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-10-792-311-6

Query Match 65.1%; Score 108; DB 17; Length 86;  
Best Local Similarity 57.4%; Pred. No. 0.00011;  
Matches 27; Conservative 2; Mismatches 6; Indels 12; Gaps 1;

QY 1 AKKYAKKERAAYKAY-----KKEAKAKAAEAAKKAAAYEA 35  
DB 40 AKKYAKKERAAYKAYKAAEAAYKAAEAAYKAAEAAYKAAEAAYEA 86

RESULT 7  
US-09-816-989A-4  
; Sequence 4, Application US/09816989A  
; Patent No. US20020115103A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lie, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; CURRENT FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
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; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-4

Query Match 63.6%; Score 105.5; DB 9; Length 66;  
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Matches 29; Conservative 2; Mismatches 4; Indels 31; Gaps 1;

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QY 30 EAAAYEA 35  
DB 61 EAAAYEA 66

RESULT 8  
US-10-792-311-4  
; Sequence 4, Application US/10792311  
; Publication No. US20050038233A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lie, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/10/792,311  
; CURRENT FILING DATE: 2004-03-02  
; PRIOR APPLICATION NUMBER: US/09/816,989  
; PRIOR FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 4  
; LENGTH: 66  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-10-792-311-4

Query Match 63.6%; Score 105.5; DB 17; Length 66;  
Best Local Similarity 43.9%; Pred. No. 0.00016;  
Matches 29; Conservative 2; Mismatches 4; Indels 31; Gaps 1;

CY 1 AKKYAKKERAAYKAYKAAEAAYKAAEAAYKAAEAAYKAAEAAYEA 29  
DB 1 AKKYAKKERAAYKAYKAAEAAYKAAEAAYKAAEAAYKAAEAAYEA 60

QY 30 EAAAYEA 35  
DB 61 EAAAYEA 66

RESULT 9  
US-09-816-989A-7  
; Sequence 7, Application US/09816989A  
; Patent No. US20020115103A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lie, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; CURRENT FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 7  
; LENGTH: 109  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-7

Query Match 63.3%; Score 105; DB 9; Length 109;  
Best Local Similarity 62.2%; Pred. No. 0.0003;  
Matches 28; Conservative 2; Mismatches 5; Indels 10; Gaps 2;





DB 40 AKKAKAKAEKKEYYAAAEAKYKAEEAKKAAKEAAVEA 77

Search completed: July 27, 2005, 02:06:46  
Job time : 36.3692 secs

## RESULT 14

US-10-792-311-5  
; Sequence 5, Application US/10792311  
; Publication No. US20050038233A1  
; GENERAL INFORMATION:  
; APPLICANT: GAD, Alexander  
; APPLICANT: LIG, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT FILING DATE: 2004-03-02  
; PRIOR APPLICATION NUMBER: US/09/816,989  
; PRIOR FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO: 5  
; LENGTH: 77  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-10-792-311-5

Query Match 63.0%; Score 104.5; DB 17; Length 77;  
Best Local Similarity 65.8%; Pred. No. 0.00024;  
Matches 25; Conservative 4; Mismatches 6; Indels 3; Gaps 1;

QY 1 AKKAKAKAEKKEYYAAAEAKYKAEEAKKAAKEAAVEA 35  
DB 40 AKKAKAKAEKKEYYAAAEAKYKAEEAKKAAKEAAVEA 77

## RESULT 15

US-10-741-849-7226  
; Sequence 7226, Application US/10741849  
; Publication No. US20050019931A1  
; GENERAL INFORMATION:  
; APPLICANT: Roemer, Terry  
; APPLICANT: Jiang, Bo  
; APPLICANT: Boone, Charles  
; APPLICANT: Bussey, Howard  
; TITLE OF INVENTION: Nucleic Acid Encoding Anti-fungal Drug Targets and Methods of  
; FILE REFERENCE: 10182-023-999  
; CURRENT APPLICATION NUMBER: US/10/741,849  
; CURRENT FILING DATE: 2003-12-19  
; PRIOR APPLICATION NUMBER: US 60/434,832  
; PRIOR FILING DATE: 2002-12-19  
; NUMBER OF SEQ ID NOS: 8000  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO: 7226  
; LENGTH: 427  
; TYPE: PRT  
; ORGANISM: Candida albicans  
US-10-741-849-7226

Query Match 52.1%; Score 86.5; DB 17; Length 427;  
Best Local Similarity 65.7%; Pred. No. 0.13;  
Matches 23; Conservative 3; Mismatches 8; Indels 1; Gaps 1;

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DB 283 KKKAKKAKAKKAKKAKKAA-EAAKKAAYEA 317

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GenCore version 5.1.6  
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## OM protein - protein search, using sw model

Run on: July 27, 2005, 01:17:40 ; Search time 10.3376 Seconds  
(without alignments)  
252.740 Million cell updates/sec

Title: US-10-792-311-1

Perfect score: 166  
Sequence: 1 AKKYAKKEKAKAYKKEAKAKAAEAAPAAEAAYEA 35Scoring table: BLOSUM62  
Gapop 10.0 , Gapept 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%  
Maximum Match 100%  
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	166	100.0	35	4	US-09-816-989A-1
3	108	65.1	45	4	US-09-405-743A-2
4	108	65.1	45	4	US-09-816-989A-2
5	108	65.1	86	4	US-09-405-743A-6
6	108	65.1	86	4	US-09-816-989A-6
7	105.5	63.6	66	4	US-09-405-743A-4
8	105.5	63.6	66	4	US-09-816-989A-4
9	105	63.3	109	4	US-09-405-743A-7
10	105	63.3	109	4	US-09-816-989A-7
11	104.5	63.0	56	4	US-09-405-743A-3
12	104.5	63.0	56	4	US-09-816-989A-3
13	104.5	63.0	77	4	US-09-405-743A-5
14	104.5	63.0	77	4	US-09-816-989A-5
15	86.5	52.1	176	4	US-09-248-796A-18922
16	76	45.8	407	4	US-09-252-991A-29581
17	72	43.4	1156	4	US-09-902-540-15564
18	67.5	40.7	32	1	US-08-152-488-13
19	67.5	40.7	32	1	US-08-303-025-15
20	67.5	40.7	32	1	US-08-677-304-13
21	67.5	40.7	32	1	US-08-436-703B-2
22	67.5	40.7	33	2	US-08-303-025-16
23	67.5	40.7	33	2	US-08-436-703B-4
24	66.5	40.1	582	4	US-09-919-497-100
25	65.5	39.5	214	3	US-09-041-889-27
26	65.5	39.5	214	4	US-09-417-264-27
27	65.5	39.5	469	4	US-09-489-039A-13565

28	65	39.2	184	4	US-09-902-540-13580	Sequence 13580, A
29	65	39.2	223	3	US-09-095-855-201	Sequence 201, App
30	65	39.2	223	4	US-09-205-426-201	Sequence 201, App
31	65	39.2	364	4	US-09-107-532A-5044	Sequence 5044, Ap
32	64.5	38.9	204	4	US-08-529-055-21	Sequence 21, Appl
33	64.5	38.9	585	4	US-09-134-000C-3802	Sequence 3802, Ap
34	64.5	38.9	8991	4	US-08-714-741-32	Sequence 32, Appl
35	64	38.6	79	4	US-09-902-540-16642	Sequence 16642, A
36	64	38.6	700	4	US-09-107-532A-5094	Sequence 5094, Ap
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38	63	38.0	412	4	US-09-248-796A-20228	Sequence 20228, A
39	62.5	37.7	29	1	US-08-152-488-10	Sequence 10, Appl
40	62.5	37.7	29	1	US-08-152-488-11	Sequence 11, Appl
41	62.5	37.7	29	1	US-08-303-025-10	Sequence 10, Appl
42	62.5	37.7	29	1	US-08-303-025-11	Sequence 11, Appl
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44	62.5	37.7	29	1	US-08-677-304-10	Sequence 10, Appl
45	62.5	37.7	29	1	US-08-677-304-11	Sequence 11, Appl

## ALIGNMENTS

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RESULT 1
US-09-405-743A-1
; Sequence 1, Application US/09405743A
; Patent No. 6514938
; GENERAL INFORMATION:
; APPLICANT: Yeda Research and Development Co., Ltd.
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS
; FILE REFERENCE: 60807-A
; CURRENT APPLICATION NUMBER: US/09/405,743A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
; OTHER INFORMATION: PEPTIDE
US-09-405-743A-1

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Best Local Similarity 100.0%; Pred. No. 3e-13;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AKKYAKKEKAKAYKKEAKAKAAEAAPAAEAAYEA 35
DB      1 AKKYAKKEKAKAYKKEAKAKAAEAAPAAEAAYEA 35

RESULT 2
US-09-816-989A-1
; Sequence 1, Application US/09816989A
; Patent No. 6800287
; GENERAL INFORMATION:
; APPLICANT: Gad, Alexander
; APPLICANT: Lis, Doris
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK
; TITLE OF INVENTION: AND FOR THERAPEUTIC USE
; FILE REFERENCE: 2609/60807-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/816,989A
; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/101,693
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: PCT/US99/22402
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 35
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; TYPE: PRY
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
US-09-816-989A-1
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Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 AKVAKKEKAKKAYKKEAKAAEAAPAAEAAYEA 35
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RESULT 3
US-09-405-743A-2
; Sequence 2, Application US/09405743A
; Patent No. 6514938
; GENERAL INFORMATION:
; APPLICANT: Yeda Research and Development Co., Ltd.
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS
; FILE REFERENCE: 60807-A
; CURRENT APPLICATION NUMBER: US/09/405,743A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 45
; TYPE: PRY
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-405-743A-2
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RESULT 4
US-09-816-989A-2
; Sequence 2, Application US/09816989A
; Patent No. 6800287
; GENERAL INFORMATION:
; APPLICANT: Gad, Alexander
; APPLICANT: Lis, Doris
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK
; FILE REFERENCE: 2609/60807-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/816,989A
; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/101,693
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: PCT/US99/22402
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 45
; TYPE: PRY
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
US-09-816-989A-2
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Query Match
Best Local Similarity 65.1%; Score 108; DB 4; Length 45;
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Matches 29; Conservative 1; Mismatches 5; Indels 10; Gaps 2;
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QY 1 AKVAKKEKA--AKKAYK-----KEAKAKAAEAAPAAEAAYEA 35
Db 1 AKVAKKAKAKKAKKAYKAAKAAKAAKAAKAAEAAPAAEAAYEA 45
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```

RESULT 5
US-09-405-743A-6
; Sequence 6, Application US/09405743A
; Patent No. 6514938
; GENERAL INFORMATION:
; APPLICANT: Yeda Research and Development Co., Ltd.
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS
; FILE REFERENCE: 60807-A
; CURRENT APPLICATION NUMBER: US/09/405,743A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 86
; TYPE: PRY
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-405-743A-6
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Query Match
Best Local Similarity 65.1%; Score 108; DB 4; Length 86;
Matches 27; Conservative 2; Mismatches 6; Indels 12; Gaps 1;
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Db 40 AKVAKKAKAKKAKKAYKAAKAAKAAKAAKAAEAAPAAEAAYEA 86
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RESULT 6
US-09-816-989A-6
; Sequence 6, Application US/09816989A
; Patent No. 6800287
; GENERAL INFORMATION:
; APPLICANT: Gad, Alexander
; APPLICANT: Lis, Doris
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK
; FILE REFERENCE: 2609/60807-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/816,989A
; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/101,693
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: PCT/US99/22402
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; SOFTWARE: PatentIn version 3.1
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; LENGTH: 86
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
US-09-816-989A-6
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Best Local Similarity 65.1%; Score 108; DB 4; Length 86;
Matches 27; Conservative 2; Mismatches 6; Indels 12; Gaps 1;
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RESULT 7
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US-09-405-743A-4  
; Sequence 4, Application US/09405743A  
; Patent No. 6514938  
; GENERAL INFORMATION:  
; APPLICANT: Yeda Research and Development Co., Ltd.  
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS  
; FILE REFERENCE: 60807-A  
; CURRENT APPLICATION NUMBER: US/09/405,743A  
; CURRENT FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 4  
; LENGTH: 66  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC  
; OTHER INFORMATION: PEPTIDE  
US-09-405-743A-4

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Best Local Similarity 43.9%; Pred. No. 7.6e-06;  
Matches 29; Conservative 2; Mismatches 4; Indels 31; Gaps 1;

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DB 1 AKKYAKKERAKKAYKKAKEAAKKAKEAKKAKAKAKAEKKEVAAAEAKYKAAEAAAK 60

QY 30 EAAVEA 35  
DB 61 EAAVEA 66

RESULT 8  
US-09-816-989A-4  
; Sequence 4, Application US/09816989A  
; Patent No. 6800287  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKERS  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; CURRENT FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
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; SOFTWARE: PatentIn version 3.1  
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; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-4

Query Match 63.6%; Score 105.5; DB 4; Length 66;  
Best Local Similarity 43.9%; Pred. No. 7.6e-06;  
Matches 29; Conservative 2; Mismatches 4; Indels 31; Gaps 1;

QY 1 AKKYAKKERAKKAYKKA-----KAKAAEAAAK 29  
DB 1 AKKYAKKERAKKAYKKAKEAAKKAKEAKKAKAKAKAEKKEVAAAEAKYKAAEAAAK 60

QY 30 EAAVEA 35  
DB 61 EAAVEA 66

RESULT 9

US-09-405-743A-7  
; Sequence 7, Application US/09405743A  
; Patent No. 6514938  
; GENERAL INFORMATION:  
; APPLICANT: Yeda Research and Development Co., Ltd.  
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS  
; FILE REFERENCE: 60807-A  
; CURRENT APPLICATION NUMBER: US/09/405,743A  
; CURRENT FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 7  
; LENGTH: 109  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC  
; OTHER INFORMATION: PEPTIDE  
US-09-405-743A-7

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Best Local Similarity 62.2%; Pred. No. 1.5e-05;  
Matches 28; Conservative 2; Mismatches 5; Indels 10; Gaps 2;

QY 1 AKKYAKKERAKKAY-----KKA-----KAKAAEAAAEAAVEA 35  
DB 65 AKKYAKKAKEKKEVAAAEAAKKAKEAAKAKYKAAEAAAEAAVEA 109

RESULT 10  
US-09-816-989A-7  
; Sequence 7, Application US/09816989A  
; Patent No. 6800287  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKERS  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; CURRENT FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
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; SEQ ID NO 7  
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; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-7

Query Match 63.3%; Score 105; DB 4; Length 109;  
Best Local Similarity 62.2%; Pred. No. 1.5e-05;  
Matches 28; Conservative 2; Mismatches 5; Indels 10; Gaps 2;

QY 1 AKKYAKKERAKKAY-----KKA-----KAKAAEAAAEAAVEA 35  
DB 65 AKKYAKKAKEKKEVAAAEAAKKAKEAAKAKYKAAEAAAEAAVEA 109

RESULT 11  
US-09-405-743A-3  
; Sequence 3, Application US/09405743A  
; Patent No. 6514938  
; GENERAL INFORMATION:  
; APPLICANT: Yeda Research and Development Co., Ltd.  
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS  
; FILE REFERENCE: 60807-A  
; CURRENT APPLICATION NUMBER: US/09/405,743A

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Best Local Similarity	65.7%	Pred. No. 0.0036;		
Matches	23;	Conservative	3;	Mismatches 8;
				Indels 1;
				Gaps 1



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GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 27, 2005, 01:21:45 ; Search time 45.4747 Seconds  
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Title: US-10-792-311-2

Perfect score: 213

Sequence: 1 AKKYAKKAKAEKAKKAYKAA.....AKYEKAAEKAKEAYEA 45

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Minimum DB seq length: 0

Maximum DB seq length: 200000000

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Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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4	138	64.8	109	US-10-792-311-7	Sequence 7, Appl1
5	134.5	63.1	56	US-09-816-989A-3	Sequence 3, Appl1
6	134.5	63.1	56	US-10-792-311-3	Sequence 3, Appl1
7	131	61.5	77	US-09-816-989A-5	Sequence 5, Appl1
8	131	61.5	77	US-10-792-311-5	Sequence 5, Appl1
9	126.5	59.4	86	US-09-816-989A-6	Sequence 6, Appl1
10	126.5	59.4	86	US-10-792-311-6	Sequence 6, Appl1
11	120.5	56.6	66	US-09-816-989A-4	Sequence 4, Appl1

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	66	428	35	35	421	421	423	423	223	214	214	214	212	347	347	376	376	293	293	120	165	249	249	249	249	249	249	298	306	281	293	16	407	212
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	Sequence 4, Appl1	Sequence 55748, A	Sequence 1, Appl1	Sequence 1, Appl1	Sequence 56483, A	Sequence 59321, A	Sequence 60543, A	Sequence 27, App	Sequence 52, Appl	Sequence 62547, A	Sequence 64817, A	Sequence 68109, A	Sequence 1207, App	Sequence 66237, A	Sequence 9889, Ap	Sequence 7226, Ap	Sequence 13008, A	Sequence 67145, A	Sequence 45061, A	Sequence 5751, Ap	Sequence 12982, A	Sequence 12983, A	Sequence 197135, A	Sequence 37076, A	Sequence 12984, A	Sequence 13006, A	Sequence 13005, A	Sequence 13007, A	Sequence 13010, A	Sequence 13009, A	Sequence 111398, A	Sequence 75047, A	Sequence 61735, A	

#### ALIGNMENTS

RESULT 1  
US-09-816-989A-2  
Sequence 2, Application US/09816989A  
Patent No. US20020115103A1  
GENERAL INFORMATION:  
APPLICANT: Gad, Alexander  
TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
FILE REFERENCE: 2609/60807-A-PCT-US  
CURRENT APPLICATION NUMBER: US/09/816, 989A  
CURRENT FILING DATE: 2001-03-23  
PRIOR APPLICATION NUMBER: 60/101,693  
PRIOR FILING DATE: 1998-09-25  
PRIOR APPLICATION NUMBER: PCT/US99/22402  
PRIOR FILING DATE: 1999-09-24  
NUMBER OF SEQ ID NOS: 7  
SOFTWARE: Patentin version 3.1  
SEQ ID NO 2  
LENGTH: 45  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-2

Query Match 100.0%; Score 213; DB 9; Length 45;  
Best Local Similarity 100.0%; Pred. No. 4.2e-16;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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DB 1 AKKYAKKAKAEKAKKAYKAAEKAKEAYEA 45

## RESULT 2

US-10-792-311-2  
; Sequence 2, Application US/10792311  
; Publication No. US20050038233A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/10/792,311  
; CURRENT FILING DATE: 2004-03-02  
; PRIOR APPLICATION NUMBER: US/09/816,989  
; PRIOR FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 45  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-10-792-311-2

Query Match 100.0%; Score 213; DB 17; Length 45;  
Best Local Similarity 100.0%; Pred. No. 4.2e-16;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKKYAKKAKAEKAKYKAAEAKKAAKYKAAAEKAAAEKAAEAYEA 45  
DB 1 AKKYAKKAKAEKAKYKAAEAKKAAKYKAAAEKAAAEKAAEAYEA 45

## RESULT 3

US-09-816-989A-7  
; Sequence 7, Application US/09816989A  
; Patent No. US20020115103A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; CURRENT FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 7  
; LENGTH: 109  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-7

Query Match 64.8%; Score 138; DB 9; Length 109;  
Best Local Similarity 76.6%; Pred. No. 1.3e-07;  
Matches 36; Conservative 0; Mismatches 7; Indels 4; Gaps 2;

QY 1 AKKYAKKAKAEKAKYKAAEAKK--AAKYKAAAEKAAAEKAAEAYEA 45  
DB 65 AKKYAKKAKAE--KKEVAAAEKAAEAKAYKAAAEKAAAEKAAEAYEA 109

## RESULT 4

US-10-792-311-7  
; Sequence 7, Application US/10792311  
; Publication No. US20050038233A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/10/792,311  
; CURRENT FILING DATE: 2004-03-02  
; PRIOR APPLICATION NUMBER: US/09/816,989  
; PRIOR FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 7  
; LENGTH: 109  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-10-792-311-7

Query Match 64.8%; Score 138; DB 17; Length 109;  
Best Local Similarity 76.6%; Pred. No. 1.3e-07;  
Matches 36; Conservative 0; Mismatches 7; Indels 4; Gaps 2;

QY 1 AKKYAKKAKAEKAKYKAAEAKK--AAKYKAAAEKAAAEKAAEAYEA 45  
DB 65 AKKYAKKAKAE--KKEVAAAEKAAEAKAYKAAAEKAAAEKAAEAYEA 109

## RESULT 5

US-09-816-989A-3  
; Sequence 3, Application US/09816989A  
; Patent No. US20020115103A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; CURRENT FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 3  
; LENGTH: 56  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-3

Query Match 63.1%; Score 134.5; DB 9; Length 56;  
Best Local Similarity 68.4%; Pred. No. 1.5e-07;  
Matches 39; Conservative 0; Mismatches 5; Indels 13; Gaps 4;

QY 1 AKKYAKK-----AKAEK-----KKAYKAAEAKK--AAKYKAAAEKAAAEKAAEAYEA 45  
DB 1 AKKYAKKAEKAKYKAAEAKKAEAKAYKAAAEKAKKAEAKY--KAEAKAAAEKAAEAYEA 56

RESULT 6

US-10-792-311-3  
; Sequence 3, Application US/10792311  
; Publication No. US20050038233A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/10/792,311  
; CURRENT FILING DATE: 2004-03-02  
; PRIOR APPLICATION NUMBER: US/09/816,989  
; PRIOR FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 3  
; LENGTH: 56  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-10-792-311-3

Query Match 63.1%; Score 134.5; DB 17; Length 56;  
Best Local Similarity 68.4%; Pred. No. 1.5e-07;  
Matches 39; Conservative 0; Mismatches 5; Indels 13; Gaps 4;

QY 1 AKKYAKK-----AKAEKA-----KRAYKAAEAKK--AAAYEYKAAEKAKEAYEA 45  
DB 1 AKKYAKKEKAYAKKAEKAKKAEKAYKAAEAKKAEKAYEYKAAEKAKEAYEA 56  
RESULT 7  
US-09-816-989A-5  
; Sequence 5, Application US/09816989A  
; Patent No. US20020115103A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; CURRENT FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 5  
; LENGTH: 77  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-5

Query Match 61.5%; Score 131; DB 9; Length 77;  
Best Local Similarity 50.6%; Pred. No. 5.1e-07;  
Matches 39; Conservative 0; Mismatches 6; Indels 32; Gaps 3;  
QY 1 AKKYAKK-----AKAEKA-----KRAYKAAEAKKAYE----- 29  
DB 1 AKKYAKKEKAYAKKAEKAKKAEKAYKAAEAKKAEKAYEYKAAEKAKEAYEA 60  
QY 30 -KAAEKAKEAYEA 45  
DB 61 YKAAEKAKEAYEA 77

RESULT 8  
US-10-792-311-5  
; Sequence 5, Application US/10792311  
; Publication No. US20050038233A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/10/792,311  
; CURRENT FILING DATE: 2004-03-02  
; PRIOR APPLICATION NUMBER: US/09/816,989  
; PRIOR FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 5  
; LENGTH: 77  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-10-792-311-5

Query Match 61.5%; Score 131; DB 17; Length 77;  
Best Local Similarity 50.6%; Pred. No. 5.1e-07;  
Matches 39; Conservative 0; Mismatches 6; Indels 32; Gaps 3;

QY 1 AKKYAKK-----AKAEKA-----KRAYKAAEAKKAYE----- 29  
DB 1 AKKYAKKEKAYAKKAEKAKKAEKAYKAAEAKKAEKAYEYKAAEKAKEAYEA 60  
QY 30 -KAAEKAKEAYEA 45  
DB 61 YKAAEKAKEAYEA 77

RESULT 9  
US-09-816-989A-6  
; Sequence 6, Application US/09816989A  
; Patent No. US20020115103A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; CURRENT FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 6  
; LENGTH: 86  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-6

Query Match 59.4%; Score 126.5; DB 9; Length 86;  
Best Local Similarity 45.3%; Pred. No. 1.8e-06;  
Matches 39; Conservative 0; Mismatches 6; Indels 41; Gaps 3;

Qy 1 AKYAKK-----AKAEKA-----KKAYKAAEAKKAAKYE----- 29  
Db 1 AKYAKKKEKAYKAAKKEKAAKKAEBAYKAAKKAKEKAAKKAAYKAAKKAKEKKEVAAAEK 60  
Qy 30 -----KAAAEKAAEKAAYEA 45  
Db 61 YKAEAAKKAYKAAEAAKAAAEKAAEAYEA 86

## RESULT 10

US-10-792-311-6  
; Sequence 6, Application US/10792311  
; Publication No. US20050038233A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/10/792,311  
; CURRENT FILING DATE: 2004-03-02  
; PRIOR APPLICATION NUMBER: US/09/816,989  
; PRIOR FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 6  
; LENGTH: 86  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-10-792-311-6

Query Match 59.4%; Score 126.5; DB 17; Length 86;  
Best Local Similarity 45.3%; Pred. No. 1.8e-06;  
Matches 39; Conservative 0; Mismatches 6; Indels 41; Gaps 3;

Qy 1 AKYAKK-----AKAEKA-----KKAYKAAEAKKAAKYE----- 29  
Db 1 AKYAKKKEKAYKAAKKEKAAKKAEBAYKAAKKAKEKAAKKAAYKAAKKAKEKKEVAAAEK 60  
Qy 30 -----KAAAEKAAEKAAYEA 45  
Db 61 YKAEAAKKAYKAAEAAKAAAEKAAEAYEA 86

## RESULT 11

US-09-816-989A-4  
; Sequence 4, Application US/09816989A  
; Patent No. US20020115103A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; CURRENT FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 4  
; LENGTH: 66  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-4

Query Match 56.6%; Score 120.5; DB 9; Length 66;  
Best Local Similarity 71.1%; Pred. No. 5.9e-06;  
Matches 32; Conservative 0; Mismatches 6; Indels 7; Gaps 2;

Qy 1 AKYAKKAKAEKAKAYKAAEAKKAAKYEKAAAEKAAEKAAYEA 45  
Db 29 AKYAKKAAKAE--KKEVAAAEAK-----YKAEAAKAAEKAAYEA 66

## RESULT 12

US-10-792-311-4  
; Sequence 4, Application US/10792311  
; Publication No. US20050038233A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/10/792,311  
; CURRENT FILING DATE: 2004-03-02  
; PRIOR APPLICATION NUMBER: US/09/816,989  
; PRIOR FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 4  
; LENGTH: 66  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-10-792-311-4

Query Match 56.6%; Score 120.5; DB 17; Length 66;  
Best Local Similarity 71.1%; Pred. No. 5.9e-06;  
Matches 32; Conservative 0; Mismatches 6; Indels 7; Gaps 2;

Qy 1 AKYAKKAKAEKAKAYKAAEAKKAAKYEKAAAEKAAEKAAYEA 45  
Db 29 AKYAKKAAKAE--KKEVAAAEAK-----YKAEAAKAAEKAAYEA 66

## RESULT 13

US-10-282-122A-55748  
; Sequence 55748, Application US/10282122A  
; Publication No. US20040029129A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Liangsu  
; APPLICANT: Zamudio, Carlos  
; APPLICANT: Malone, Cheryl  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Kari  
; APPLICANT: Zykkind, Judith  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Foreyth, R.  
; APPLICANT: Xu, H.  
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
; FILE REFERENCE: ELITRA.034A  
; CURRENT APPLICATION NUMBER: US/10/282,122A  
; CURRENT FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848

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; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 55748
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Enterobacter cloacae
US-10-282-122A-55748

Query Match          50.7%; Score 108.5; DB 15; Length 428;
Best Local Similarity 60.4%; Pred. No. 0.00086;
Matches 32; Conservative 2; Mismatches 8; Indels 11; Gaps 2;

Qy 1 AKKVA-----KKAKEKAKKAYKAAE-----AKTAKEKAAAEKAAKEAA 42
Db 199 AKKAADQKKAEEAKKKAQEAKEKAAAEAKKAAAEKAAAEKAAAEKAA 251

RESULT 14
US-09-816-989A-1
; Sequence 1, Application US/09816989A
; Patent No. US20020115103A1
; GENERAL INFORMATION:
; APPLICANT: Gad, Alexander
; APPLICANT: Lis, Doris
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK
; FILE REFERENCE: 2609/60807-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/816,989A
; PRIOR FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/101,693
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: PCT/US99/22402
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 1
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
US-09-816-989A-1

Query Match          50.7%; Score 108; DB 9; Length 35;
Best Local Similarity 64.4%; Pred. No. 6.6e-05;
Matches 29; Conservative 1; Mismatches 5; Indels 10; Gaps 2;

Qy 1 AKKVAKKAKEKAKKAYKAAEAKKAAKYEKAAAEKAAAEKAAAEAAVEA 45
Db 1 AKKVAKKEKA--AKKAYK-----KEAKKAAAEAAAEKAAVEA 35

RESULT 15
US-10-792-311-1
; Sequence 1, Application US/10792311
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; Publication No. US20050038233A1
; GENERAL INFORMATION:
; APPLICANT: Gad, Alexander
; APPLICANT: Lis, Doris
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK
; FILE REFERENCE: 2609/60807-A-PCT-US
; CURRENT APPLICATION NUMBER: US/10/792,311
; CURRENT FILING DATE: 2004-03-02
; PRIOR APPLICATION NUMBER: US/09/816,989
; PRIOR FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/101,693
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: PCT/US99/22402
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 1
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
US-10-792-311-1

Query Match          50.7%; Score 108; DB 17; Length 35;
Best Local Similarity 64.4%; Pred. No. 6.6e-05;
Matches 29; Conservative 1; Mismatches 5; Indels 10; Gaps 2;

Qy 1 AKKVAKKAKEKAKKAYKAAEAKKAAKYEKAAAEKAAAEKAAAEAAVEA 45
Db 1 AKKVAKKEKA--AKKAYK-----KEAKKAAAEAAAEKAAVEA 35
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Search completed: July 27, 2005, 02:06:47  
Job time : 46.4747 secs

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TYPE: PRP  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-2

Query Match 100.0%; Score 213; DB 4; Length 45;  
Best Local Similarity 100.0%; Pred. No. 1.9e-16;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKYAKKAKAEKAKYKAAAEKAKYKAAAEKAAAEKAAAEAYEA 45  
DB 1 AKYAKKAKAEKAKYKAAAEKAKYKAAAEKAAAEKAAAEAYEA 45

RESULT 3  
US-09-405-743A-7  
Sequence 7, Application US/09405743A  
Patent No. 6514938

GENERAL INFORMATION:  
APPLICANT: Yeda Research and Development Co., Ltd.  
TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS  
FILE REFERENCE: 60807-A  
CURRENT APPLICATION NUMBER: US/09/405,743A  
CURRENT FILING DATE: 1999-09-24  
NUMBER OF SEQ ID NOS: 7  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 7  
LENGTH: 109  
TYPE: PRP  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC  
US-09-405-743A-7

Query Match 64.8%; Score 138; DB 4; Length 109;  
Best Local Similarity 76.6%; Pred. No. 4.8e-08;  
Matches 36; Conservative 0; Mismatches 7; Indels 4; Gaps 2;

QY 1 AKYAKKAKAEKAKYKAAAEKAKYKAAAEKAAAEKAAAEAYEA 45  
DB 65 AKYAKKAAKAE--KKEYAAAEKAKAEAAKAYKAAAEKAAAEKAAEAYEA 109

RESULT 4  
US-09-816-989A-7  
Sequence 7, Application US/09816989A  
Patent No. 6800287  
GENERAL INFORMATION:  
APPLICANT: Gad, Alexander  
APPLICANT: Lis, Doris  
TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKERS  
FILE REFERENCE: 2609/60807-A-PCT-US  
CURRENT APPLICATION NUMBER: US/09/816,989A  
CURRENT FILING DATE: 2001-03-23  
PRIOR APPLICATION NUMBER: 60/101,693  
PRIOR FILING DATE: 1998-09-25  
PRIOR APPLICATION NUMBER: PCT/US99/22402  
PRIOR FILING DATE: 1999-09-24  
NUMBER OF SEQ ID NOS: 7  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 7  
LENGTH: 109  
TYPE: PRP  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-7

Query Match 64.8%; Score 138; DB 4; Length 109;  
Best Local Similarity 76.6%; Pred. No. 4.8e-08;

Matches 36; Conservative 0; Mismatches 7; Indels 4; Gaps 2;  
QY 1 AKYAKKAKAEKAKYKAAAEKAKYKAAAEKAAAEKAAAEAYEA 45  
DB 65 AKYAKKAAKAE--KKEYAAAEKAKAEAAKAYKAAAEKAAAEKAAEAYEA 109

RESULT 5  
US-09-405-743A-3  
Sequence 3, Application US/09405743A  
Patent No. 6514938

GENERAL INFORMATION:  
APPLICANT: Yeda Research and Development Co., Ltd.  
TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS  
FILE REFERENCE: 60807-A  
CURRENT APPLICATION NUMBER: US/09/405,743A  
CURRENT FILING DATE: 1999-09-24  
NUMBER OF SEQ ID NOS: 7  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 3  
LENGTH: 56  
TYPE: PRP  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC  
US-09-405-743A-3

Query Match 63.1%; Score 134.5; DB 4; Length 56;  
Best Local Similarity 68.4%; Pred. No. 5.7e-08;  
Matches 39; Conservative 0; Mismatches 5; Indels 13; Gaps 4;

QY 1 AKYAKK-----AKAEKA-----KAYYKAAEAKK--AAKYEKAAAEKAAAEKAAEAYEA 45  
DB 1 AKYAKKEKAYAKKAEKAKAEKAAKAEKAYKAAAEKKAAYKAY--KAEAKAAAEKAAEAYEA 56

RESULT 6  
US-09-816-989A-3  
Sequence 3, Application US/09816989A  
Patent No. 6800287  
GENERAL INFORMATION:  
APPLICANT: Gad, Alexander  
APPLICANT: Lis, Doris  
TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKERS  
FILE REFERENCE: 2609/60807-A-PCT-US  
CURRENT APPLICATION NUMBER: US/09/816,989A  
CURRENT FILING DATE: 2001-03-23  
PRIOR APPLICATION NUMBER: 60/101,693  
PRIOR FILING DATE: 1998-09-25  
PRIOR APPLICATION NUMBER: PCT/US99/22402  
PRIOR FILING DATE: 1999-09-24  
NUMBER OF SEQ ID NOS: 7  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 3  
LENGTH: 56  
TYPE: PRP  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-3

Query Match 63.1%; Score 134.5; DB 4; Length 56;  
Best Local Similarity 68.4%; Pred. No. 5.7e-08;  
Matches 39; Conservative 0; Mismatches 5; Indels 13; Gaps 4;

QY 1 AKYAKK-----AKAEKA-----KAYYKAAEAKK--AAKYEKAAAEKAAAEKAAEAYEA 45  
DB 1 AKYAKKEKAYAKKAEKAKAEKAAKAEKAYKAAAEKKAAYKAY--KAEAKAAAEKAAEAYEA 56

RESULT 7



US-09-405-743A-5  
; Sequence 5, Application US/09405743A  
; Patent No. 6514938  
; GENERAL INFORMATION:  
; APPLICANT: Yeda Research and Development Co., Ltd.  
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS  
; FILE REFERENCE: 60807-A  
; CURRENT APPLICATION NUMBER: US/09/405,743A  
; CURRENT FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 77  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC  
US-09-405-743A-5

Query Match 61.5%; Score 131; DB 4; Length 77;  
Best Local Similarity 50.6%; Pred. No. 1.9e-07;  
Matches 39; Conservative 0; Mismatches 6; Indels 32; Gaps 3;

OY 1 AKKYAKK-----AKAEKA-----KKAYYKAEEKKAAKYE----- 29  
DB 1 AKKYAKKEKAYYKKAEKAKKAEAKAYYKAEKAKKAEKAYYKAEKAKKAEKAYYAAAEAK 60  
OY 30 -KAAAEKAAAEKAAEAYEA 45  
DB 61 YKAEAAKAAAEKAAEAYEA 77

RESULT 8  
US-09-816-989A-5  
; Sequence 5, Application US/09816989A  
; Patent No. 6800287  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKERS  
; TITLE OF INVENTION: AND FOR THERAPEUTIC USE  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; CURRENT FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 5  
; LENGTH: 77  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-5

Query Match 61.5%; Score 131; DB 4; Length 77;  
Best Local Similarity 50.6%; Pred. No. 1.9e-07;  
Matches 39; Conservative 0; Mismatches 6; Indels 32; Gaps 3;

OY 1 AKKYAKK-----AKAEKA-----KKAYYKAEEKKAAKYE----- 29  
DB 1 AKKYAKKEKAYYKKAEKAKKAEAKAYYKAEKAKKAEKAYYKAEKAKKAEKAYYAAAEAK 60  
OY 30 -KAAAEKAAAEKAAEAYEA 45  
DB 61 YKAEAAKAAAEKAAEAYEA 77

RESULT 9

US-09-405-743A-6  
; Sequence 6, Application US/09405743A  
; Patent No. 6514938  
; GENERAL INFORMATION:  
; APPLICANT: Yeda Research and Development Co., Ltd.  
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS  
; FILE REFERENCE: 60807-A  
; CURRENT APPLICATION NUMBER: US/09/405,743A  
; CURRENT FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 6  
; LENGTH: 86  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC  
US-09-405-743A-6

Query Match 59.4%; Score 126.5; DB 4; Length 86;  
Best Local Similarity 45.3%; Pred. No. 6.3e-07;  
Matches 39; Conservative 0; Mismatches 6; Indels 41; Gaps 3;

OY 1 AKKYAKK-----AKAEKA-----KKAYYKAEEKKAAKYE----- 29  
DB 1 AKKYAKKEKAYYKKAEKAKKAEAKAYYKAEKAKKAEKAYYKAEKAKKAEKAYYAAAEAK 60  
OY 30 -KAAAEKAAAEKAAEAYEA 45  
DB 61 YKAEAAKAAAEKAAEAYEA 86

RESULT 10  
US-09-816-989A-6  
; Sequence 6, Application US/09816989A  
; Patent No. 6800287  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKERS  
; TITLE OF INVENTION: AND FOR THERAPEUTIC USE  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; CURRENT FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 6  
; LENGTH: 86  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-6

Query Match 59.4%; Score 126.5; DB 4; Length 86;  
Best Local Similarity 45.3%; Pred. No. 6.3e-07;  
Matches 39; Conservative 0; Mismatches 6; Indels 41; Gaps 3;

OY 1 AKKYAKK-----AKAEKA-----KKAYYKAEEKKAAKYE----- 29  
DB 1 AKKYAKKEKAYYKKAEKAKKAEAKAYYKAEKAKKAEKAYYKAEKAKKAEKAYYAAAEAK 60  
OY 30 -KAAAEKAAAEKAAEAYEA 45  
DB 61 YKAEAAKAAAEKAAEAYEA 86

RESULT 11

US-09-405-743A-4  
; Sequence 4, Application US/09405743A  
; Patent No. 6514938  
; GENERAL INFORMATION:  
; APPLICANT: Yeda Research and Development Co., Ltd.  
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS  
; FILE REFERENCE: 60807-A  
; CURRENT APPLICATION NUMBER: US/09/405,743A  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 4  
; LENGTH: 66  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC  
US-09-405-743A-4

Query Match 56.6%; Score 120.5; DB 4; Length 66;  
Best Local Similarity 71.1%; Pred. No. 2.1e-06;  
Matches 32; Conservative 0; Mismatches 6; Indels 7; Gaps 2;

QY 1 AKKYAKKAKAEKAKYKAAEKAKYKAAEKAAEAAYEA 45  
DB 29 AKKYAKAAKAE--KKEYYAAAEK-----YKAEAAKAAEAAYEA 66

RESULT 12  
US-09-816-989A-4  
; Sequence 4, Application US/09816989A  
; Patent No. 6800287  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKERS  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; CURRENT FILING DATE: 2001-03-23  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 4  
; LENGTH: 66  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-4

Query Match 56.6%; Score 120.5; DB 4; Length 66;  
Best Local Similarity 71.1%; Pred. No. 2.1e-06;  
Matches 32; Conservative 0; Mismatches 6; Indels 7; Gaps 2;

QY 1 AKKYAKKAKAEKAKYKAAEKAKYKAAEKAAEAAYEA 45  
DB 29 AKKYAKAAKAE--KKEYYAAAEK-----YKAEAAKAAEAAYEA 66

RESULT 13  
US-09-405-743A-1  
; Sequence 1, Application US/09405743A  
; Patent No. 6514938  
; GENERAL INFORMATION:  
; APPLICANT: Yeda Research and Development Co., Ltd.  
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS  
; FILE REFERENCE: 60807-A  
; CURRENT APPLICATION NUMBER: US/09/405,743A

; CURRENT FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 35  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC  
US-09-405-743A-1

Query Match 50.7%; Score 108; DB 4; Length 35;  
Best Local Similarity 64.4%; Pred. No. 2.4e-05;  
Matches 29; Conservative 1; Mismatches 5; Indels 10; Gaps 2;

QY 1 AKKYAKKAKAEKAKYKAAEKAKYKAAEKAAEAAYEA 45  
DB 1 AKKYAKKEKA--AKKAYK-----KEAKAKAAEAAYEA 35

RESULT 14  
US-09-816-989A-1  
; Sequence 1, Application US/09816989A  
; Patent No. 6800287  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKERS  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; CURRENT FILING DATE: 2001-03-23  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 1  
; LENGTH: 35  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-1

Query Match 50.7%; Score 108; DB 4; Length 35;  
Best Local Similarity 64.4%; Pred. No. 2.4e-05;  
Matches 29; Conservative 1; Mismatches 5; Indels 10; Gaps 2;

QY 1 AKKYAKKAKAEKAKYKAAEKAKYKAAEKAAEAAYEA 45  
DB 1 AKKYAKKEKA--AKKAYK-----KEAKAKAAEAAYEA 35

RESULT 15  
US-09-489-039A-13565  
; Sequence 13565, Application US/09489039A  
; Patent No. 6610836  
; GENERAL INFORMATION:  
; APPLICANT: Gary Breton et. al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
; FILE REFERENCE: 2709,2004001  
; CURRENT APPLICATION NUMBER: US/09/489,039A  
; CURRENT FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/117,747  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 14342  
; SEQ ID NO 13565  
; LENGTH: 469  
; TYPE: PRT



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RESULT 2
US-10-792-311-3
; Sequence 3, Application US/10792311
; Publication No. US20050038233A1
; GENERAL INFORMATION:
; APPLICANT: Gad, Alexander
; APPLICANT: Lis, Doris
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKERS
; TITLE OF INVENTION: AND FOR THERAPEUTIC USE
; FILE REFERENCE: 2609/60807-A-PCT-US
; CURRENT APPLICATION NUMBER: US/10/792,311
; PRIOR FILING DATE: 2004-03-02
; PRIOR APPLICATION NUMBER: US/09/816,989
; PRIOR FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/101,693
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: PCT/US99/22402
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
; US-10-792-311-3

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Query Match	100.0%	Score 266	DB 17	Length 56
Best Local Similarity	100.0%	Pred. No. 1	Be-18	
Matches	56	Conservative 0	Mismatches 0	Indels 0
				Gaps 0
Qy	1	AKKAKKEKAYAKKAKKAEAKKAYAAEKKKAEKKYKQEAAPAAKAAKAYTA	56	
	1	AKKAKKEKAYAKKAKKAEAKKAYAAEKKKAEKKYKQEAAPAAKAAKAYTA	56	
Db	1	AKKAKKEKAYAKKAKKAEAKKAYAAEKKKAEKKYKQEAAPAAKAAKAYTA	56	

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RESULT 3
US-09-816-989A-5
/ Sequence 5, Application US/09816989A
/ Patent No. US20020115103A1
/ GENERAL INFORMATION:
/ APPLICANT: Gad, Alexander
/ APPLICANT: Lis, Doris
/ TITLE OR INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKERS
/ TITLE OR INVENTION: AND FOR THERAPEUTIC USE
/ FILE REFERENCE: 2609/60807-A-PCT-US
/ CURRENT APPLICATION NUMBER: US/09/816, 989A
/ CURRENT FILING DATE: 2001-03-23
/ PRIOR APPLICATION NUMBER: 60/101,693
/ PRIOR FILING DATE: 1998-09-25
/ PRIOR APPLICATION NUMBER: PCT/US99/22402
/ PRIOR FILING DATE: 1999-09-24
/ NUMBER OF SEQ ID NOS: 7
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 5
/ LENGTH: 77
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
US-09-816-989A-5

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Query Match	92.3%;	Score 245.5;	DB 9;	Length 77;
Best Local Similarity	72.7%;	Pred. No. 2.2e-16;		
Matches 56;	Conservative 0;	Mismatches 0;	Indels 21;	Gaps 1;

[illegible]

40 YKAEAKAKAEAYEA 56

Db 61 YKAEAAKAAKEAAYEA 77

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1  RESULT 4
2  US-10-792-311-5
3  ; Sequence 5, Application US/10792311
4  ; Publication No. US2005003823A1
5  ; GENERAL INFORMATION:
6  ; APPLICANT: Gad, Alexander
7  ; APPLICANT: Lis, Doris
8  ; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKER
9  ; FILE OF INVENTION: AND FOR THERAPEUTIC USE
10 ; TITLE REFERENCE: 2609/60807-A-PCT-US
11 ; CURRENT FILING DATE: 2004-03-02
12 ; PRIOR APPLICATION NUMBER: US/09/816, 989
13 ; PRIOR FILING DATE: 2001-03-23
14 ; PRIOR APPLICATION NUMBER: 60/101, 693
15 ; PRIOR FILING DATE: 1998-09-25
16 ; PRIOR APPLICATION NUMBER: PCT/US99/22402
17 ; PRIOR FILING DATE: 1999-09-24
18 ; NUMBER OF SEQ ID NOS: 7
19 ; SOFTWARE: PatentIn version 3.1
20 ; SEQ ID NO 5
21 ; LENGTH: 77
22 ; TYPE: PRT
23 ; ORGANISM: Artificial Sequence
24 ; FEATURE:
25 ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
26 ; US-10-792-311-5

```

Query Match Similarity	92.3%	Score 245.5;	DB 17;	length 77;
Best Local Similarity	72.7%;	Pred. No. 2.2e-16;		
Matches 56;	Conservative 0;	Mismatches 0;	Indels 21;	Gaps 14

<b>Qy</b>	1 AKYAKCKEAYAKCKEKAKKAAEAARYKAABANKK-----AEKK 39
<b>Dd</b>	1 AKKYAKCKEAYAKCKEKAKKAAEAARYKAABANKKAKKYAKAARAKEKEYYAAAEKK 60
<b>Qy</b>	40 YRKAEAKKAAKAEAYFA 56
<b>Dd</b>	61 YRKAEAKKAAKAEAYFA 77

RESULT 5  
US-09-816-989A-6  
Sequence 6, Application US/09816989A  
Patent No. US20020115103A1  
GENERAL INFORMATION:  
APPLICANT: Gad, Alexander  
APPLICANT: Lis, Doris  
TITLE OF INVENTION: COLONYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKERS  
FILE REFERENCE: 2609/60807-A-PCT-US  
CURRENT APPLICATION NUMBER: US/09/816,989A  
CURRENT FILING DATE: 2001-03-23  
PRIOR APPLICATION NUMBER: 60/101,693  
PRIOR FILING DATE: 1998-09-25  
PRIOR APPLICATION NUMBER: PCT/US99/22402  
PRIOR FILING DATE: 1999-09-24  
NUMBER OF SEQ ID NOS: 7  
SOFTWARE: PatentIn version 3.1

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; LENGTH: 86
; TYPE: PRT
; ORGANISM: Artificial Sequence
; DATA:

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OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-6

Query Match	87.6%;	Score 233;	DB 9;	Length 86;
Best Local Similarity	62.8%;	Pred. No. 3.8e-15;		

Matches 54; Conservative 2; Mismatches 0; Indels 30; Gaps 1;  
QY 1 AKYAKKEKAYAKKAEKAKKAEKAYKAAKKAEEKAKKAEK----- 39  
Db 1 AKYAKKEKAYAKKAEKAKKAEKAYKAAKKAEEKAKKAEKAYKAAKKAEEKAYAAAEK 60  
QY 40 -----YKAAAKKAAAEKAYEA 56  
Db 61 YKAAAKKAYKAAKAAKAAKAAEA 86  
RESULT 6  
US-10-792-311-6  
; Sequence 6, Application US/10792311  
; Publication No. US20050038233A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/10/792,311  
; CURRENT FILING DATE: 2004-03-02  
; PRIOR APPLICATION NUMBER: US/09/816,989  
; PRIOR FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 6  
; LENGTH: 86  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-10-792-311-6  
Query Match 87.6%; Score 233; DB 17; Length 86;  
Best Local Similarity 62.8%; Pred. No. 3.8e-15;  
Matches 54; Conservative 2; Mismatches 0; Indels 30; Gaps 1;  
QY 1 AKYAKKEKAYAKKAEKAKKAEKAYKAAKKAEEKAKKAEK----- 39  
Db 1 AKYAKKEKAYAKKAEKAKKAEKAYKAAKKAEEKAKKAEKAYKAAKKAEEKAYAAAEK 60  
QY 40 -----YKAAAKKAAAEKAYEA 56  
Db 61 YKAAAKKAYKAAKAAKAAKAAEA 86  
RESULT 7  
US-09-816-989A-4  
; Sequence 4, Application US/09816989A  
; Patent No. US20020115103A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; CURRENT FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 4  
; LENGTH: 66  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-10-792-311-6

; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-4  
Query Match 74.4%; Score 198; DB 9; Length 66;  
Best Local Similarity 80.3%; Pred. No. 6.3e-12;  
Matches 53; Conservative 2; Mismatches 1; Indels 10; Gaps 5;  
QY 1 AKYAKKEKAY--AKKAE-KAAK--KAEKAY-KAAEAKK-----AEAKYKAAEAAKAAK 50  
Db 1 AKYAKKEKAYAKKAEKAKKAEKAKKAEKAYKAAKKAEEKAYAAAEKAYKAAEAAKAAK 60  
QY 51 EAAEA 56  
Db 61 EAAEA 66  
RESULT 8  
US-10-792-311-4  
; Sequence 4, Application US/10792311  
; Publication No. US20050038233A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/10/792,311  
; CURRENT FILING DATE: 2004-03-02  
; PRIOR APPLICATION NUMBER: US/09/816,989  
; PRIOR FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 4  
; LENGTH: 66  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-10-792-311-4  
Query Match 74.4%; Score 198; DB 17; Length 66;  
Best Local Similarity 80.3%; Pred. No. 6.3e-12;  
Matches 53; Conservative 2; Mismatches 1; Indels 10; Gaps 5;  
QY 1 AKYAKKEKAY--AKKAE-KAAK--KAEKAY-KAAEAKK-----AEAKYKAAEAAKAAK 50  
Db 1 AKYAKKEKAYAKKAEKAKKAEKAKKAEKAYKAAKKAEEKAYAAAEKAYKAAEAAKAAK 60  
QY 51 EAAEA 56  
Db 61 EAAEA 66  
RESULT 9  
US-09-816-989A-7  
; Sequence 7, Application US/09816989A  
; Patent No. US20020115103A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; CURRENT FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25





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PRIORITY FILING DATE: 2000-03-21
PRIORITY APPLICATION NUMBER: 60/206,848
PRIORITY FILING DATE: 2000-05-23
PRIORITY APPLICATION NUMBER: 60/207,727
PRIORITY FILING DATE: 2000-05-26
PRIORITY APPLICATION NUMBER: 60/230,335
PRIORITY FILING DATE: 2000-09-06
PRIORITY APPLICATION NUMBER: 60/230,347
PRIORITY FILING DATE: 2000-09-09
PRIORITY APPLICATION NUMBER: 60/242,578
PRIORITY FILING DATE: 2000-10-23
PRIORITY APPLICATION NUMBER: 60/253,625
PRIORITY FILING DATE: 2000-11-27
PRIORITY APPLICATION NUMBER: 60/257,931
PRIORITY FILING DATE: 2000-12-22
PRIORITY APPLICATION NUMBER: 60/267,636
PRIORITY FILING DATE: 2001-02-09
PRIORITY APPLICATION NUMBER: 60/269,308
PRIORITY FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 67145
LENGTH: 389
TYPE: PRT
ORGANISM: Pasteurella multocida
US-10-282-122A-67145

Query Match      44.0%; Score 117; DB 15; Length 389;
Best Local Similarity 55.9%; Pred. No. 0.0021;
Matches 33; Conservative 7; Mismatches 15; Indels 4; Gaps 2;

Q# 1 AKKYAKKKKRYVAK---KAERAKAKKEAKAYAAAEAKKAAKYVAEAAKAAEAEEA
D# 189 AKRKAERAKAEAKKAVERRAKKAEAKV-KAEKAKAEAEKAKAEKAEKAKAKA 246

RESULT 15
U3-10-282-122A-56483
Sequence 56483, Application US/10282122A
Publication NO. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Karl
APPLICANT: Zykkind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITPA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIORITY APPLICATION NUMBER: 60/191,078
PRIORITY FILING DATE: 2000-03-21
PRIORITY APPLICATION NUMBER: 60/206,848
PRIORITY FILING DATE: 2000-05-23
PRIORITY APPLICATION NUMBER: 60/207,727
PRIORITY FILING DATE: 2000-05-26
PRIORITY APPLICATION NUMBER: 60/230,335
PRIORITY FILING DATE: 2000-09-06
PRIORITY APPLICATION NUMBER: 60/230,347
PRIORITY FILING DATE: 2000-09-09
PRIORITY APPLICATION NUMBER: 60/242,578
PRIORITY FILING DATE: 2000-10-23
PRIORITY APPLICATION NUMBER: 60/253,625
PRIORITY FILING DATE: 2000-11-27
PRIORITY APPLICATION NUMBER: 60/257,931

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```

; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
US-09-816-989A-3
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Query Match
Best Local Similarity 100.0%; Score 266; DB 4; Length 56;
Matches 56; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 AKKYAKKEKAYAKKAEKAKAEKAYKAAEAKKKAEKAYKAAEAKKAEKAYEA 56
DB 1 AKKYAKKEKAYAKKAEKAKAEKAYKAAEAKKKAEKAYKAAEAKKAEKAYEA 56
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RESULT 3
US-09-405-743A-5
; Sequence 5, Application US/09405743A
; Patent No. 6514938
; GENERAL INFORMATION:
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; APPLICANT: Yeda Research and Development Co., Ltd.
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS
; FILE REFERENCE: 60807-A
; CURRENT APPLICATION NUMBER: US/09/405,743A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
; OTHER INFORMATION: PEPTIDE
US-09-405-743A-5
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```
Query Match
Best Local Similarity 92.3%; Score 245.5; DB 4; Length 77;
Matches 56; Conservative 0; Mismatches 0; Indels 21; Gaps 1;
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```
QY 1 AKKYAKKEKAYAKKAEKAKAEKAYKAAEAKKKAEKAYKAAEAKKAEKAYEA 39
DB 1 AKKYAKKEKAYAKKAEKAKAEKAYKAAEAKKKAEKAYKAAEAKKAEKAYEA 60
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QY 40 YKAEAKKAAAEKAEYEA 56
DB 61 YKAEAKKAAAEKAEYEA 77
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```
RESULT 4
US-09-816-989A-5
; Sequence 5, Application US/09816989A
; Patent No. 6800287
; GENERAL INFORMATION:
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; APPLICANT: Lis, Doris
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK
; FILE REFERENCE: 2609/60807-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/816,989A
; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/101,693
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: PCT/US99/22402
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
```

```
US-09-816-989A-5
```

```
Query Match
Best Local Similarity 92.3%; Score 245.5; DB 4; Length 77;
Matches 56; Conservative 0; Mismatches 0; Indels 21; Gaps 1;
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```
QY 1 AKKYAKKEKAYAKKAEKAKAEKAYKAAEAKKKAEKAYKAAEAKKAEKAYEA 39
DB 1 AKKYAKKEKAYAKKAEKAKAEKAYKAAEAKKKAEKAYKAAEAKKAEKAYEA 60
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```
QY 40 YKAEAKKAAAEKAEYEA 56
DB 61 YKAEAKKAAAEKAEYEA 77
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RESULT 5
US-09-405-743A-6
; Sequence 6, Application US/09405743A
; Patent No. 6514938
; GENERAL INFORMATION:
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```
; APPLICANT: Yeda Research and Development Co., Ltd.
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS
; FILE REFERENCE: 60807-A
; CURRENT APPLICATION NUMBER: US/09/405,743A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
; OTHER INFORMATION: PEPTIDE
US-09-405-743A-6
```

```
Query Match
Best Local Similarity 87.6%; Score 233; DB 4; Length 86;
Matches 54; Conservative 2; Mismatches 0; Indels 30; Gaps 1;
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```
QY 1 AKKYAKKEKAYAKKAEKAKAEKAYKAAEAKKKAEKAYKAAEAKKAEKAYEA 39
DB 1 AKKYAKKEKAYAKKAEKAKAEKAYKAAEAKKKAEKAYKAAEAKKAEKAYEA 60
```

```
QY 40 -----YKAEAKKAAAEKAEYEA 56
DB 61 YKAEAKKAYKAEAKKAAAEKAEYEA 86
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```
RESULT 6
US-09-816-989A-6
; Sequence 6, Application US/09816989A
; Patent No. 6800287
; GENERAL INFORMATION:
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```
; APPLICANT: Lis, Doris
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK
; FILE REFERENCE: 2609/60807-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/816,989A
; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/101,693
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: PCT/US99/22402
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
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US-09-816-989A-7

Query Match 67.9%; Score 180.5; DB 4; Length 109;  
Best Local Similarity 45.9%; Pred. No. 2.2e-11;  
Matches 50; Conservative 3; Mismatches 3; Indels 53; Gaps 3;

QY 1 AKKYAKK-EKAYAKK-----EKAAKKAAYKAAEKKAAYEA----- 39  
DB 1 AKKYAKKAKKAYAKKAAKKAAYKAAEKKAAYKAAEKKAAYEA 60  
QY 40 -----YKAAKKAAYEA 56  
DB 61 YKAAKKAAYKAAEKKAAYKAAEKKAAYKAAEKKAAYEA 109

RESULT 11  
US-09-405-743A-2  
; Sequence 2, Application US/09405743A  
; Patent No. 6514938  
; GENERAL INFORMATION:  
; APPLICANT: Yeda Research and Development Co., Ltd.  
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS  
; FILE REFERENCE: 60807-A  
; CURRENT APPLICATION NUMBER: US/09/405,743A  
; CURRENT FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 45  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC  
US-09-405-743A-2

Query Match 50.6%; Score 134.5; DB 4; Length 45;  
Best Local Similarity 68.4%; Pred. No. 3.5e-07;  
Matches 39; Conservative 0; Mismatches 5; Indels 13; Gaps 4;

QY 1 AKKYAKKAKKAYAKKAAKKAAYKAAEKKAAYKAAEKKAAYEA 56  
DB 1 AKKYAKK-----AKKEKA-----KKAYKAAEKK-AAKYERAAEKKAAYEA 45

RESULT 12  
US-09-816-989A-2  
; Sequence 2, Application US/09816989A  
; Patent No. 6800287  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; CURRENT FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 45  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-2

Query Match 50.6%; Score 134.5; DB 4; Length 45;  
Best Local Similarity 68.4%; Pred. No. 3.5e-07;

Matches 39; Conservative 0; Mismatches 5; Indels 13; Gaps 4;

QY 1 AKKYAKKAKKAYAKKAAKKAAYKAAEKKAAYKAAEKKAAYEA 56  
DB 1 AKKYAKK-----AKKEKA-----KKAYKAAEKK-AAKYERAAEKKAAYEA 45

RESULT 13  
US-09-248-796A-26989  
; Sequence 26989, Application US/09248796A  
; Patent No. 6747137  
; GENERAL INFORMATION:  
; APPLICANT: Keith Weinlock et al  
; TITLE OF INVENTION: NOCLETIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN  
; FILE REFERENCE: 107196.132  
; CURRENT APPLICATION NUMBER: US/09/248,796A  
; CURRENT FILING DATE: 1999-02-12  
; PRIOR APPLICATION NUMBER: US 60/074,725  
; PRIOR FILING DATE: 1998-02-13  
; PRIOR APPLICATION NUMBER: US 60/096,409  
; PRIOR FILING DATE: 1998-08-13  
; NUMBER OF SEQ ID NOS: 28208  
; SEQ ID NO 26989  
; LENGTH: 148  
; TYPE: PRT  
; ORGANISM: Candida albicans  
US-09-248-796A-26989

Query Match 41.5%; Score 110.5; DB 4; Length 148;  
Best Local Similarity 57.7%; Pred. No. 0.0003;  
Matches 30; Conservative 5; Mismatches 16; Indels 1; Gaps 1;

QY 5 AKKEKAYAKKAKKAAKKAAYKAAEKKAAYKAAEKKAAYEA 56  
DB 6 AKKAAEKKKKEEBAKKE-EKKAAEKKYBEAAKKAAYKAAEKKAAYEA 56

RESULT 14  
US-09-248-796A-26122  
; Sequence 26122, Application US/09248796A  
; Patent No. 6747137  
; GENERAL INFORMATION:  
; APPLICANT: Keith Weinlock et al  
; TITLE OF INVENTION: NOCLETIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN  
; FILE REFERENCE: 107196.132  
; CURRENT APPLICATION NUMBER: US/09/248,796A  
; CURRENT FILING DATE: 1999-02-12  
; PRIOR APPLICATION NUMBER: US 60/074,725  
; PRIOR FILING DATE: 1998-02-13  
; PRIOR APPLICATION NUMBER: US 60/096,409  
; PRIOR FILING DATE: 1998-08-13  
; NUMBER OF SEQ ID NOS: 28208  
; SEQ ID NO 26122  
; LENGTH: 264  
; TYPE: PRT  
; ORGANISM: Candida albicans  
; FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: (42)  
; OTHER INFORMATION: Identity of amino acid sequences at the above locations are unknow  
US-09-248-796A-26122

Query Match 41.4%; Score 110; DB 4; Length 264;  
Best Local Similarity 54.9%; Pred. No. 0.0006;  
Matches 28; Conservative 4; Mismatches 19; Indels 0; Gaps 0;

QY 6 KKEKAYAKKAKKAAKKAAYKAAEKKAAYKAAEKKAAYEA 56  
DB 122 KKEEAKKKEEBAKKEAKKAAEKKAAYKAAEKKAAYEA 172

RESULT 15  
 US-09-489-039A-13565  
 ; Sequence 13565, Application US/09489039A  
 ; Patent No. 6610836  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Gary Breton et. al  
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
 ; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS  
 ; FILE REFERENCE: 2709.2004001  
 ; CURRENT APPLICATION NUMBER: US/09/489,039A  
 ; CURRENT FILING DATE: 2000-01-27  
 ; PRIOR APPLICATION NUMBER: US 60/117,747  
 ; PRIOR FILING DATE: 1999-01-29  
 ; NUMBER OF SEQ ID NOS: 14342  
 ; SEQ ID NO 13565  
 ; LENGTH: 469  
 ; TYPE: prt  
 ; ORGANISM: Klebsiella pneumoniae  
 ; US-09-489-039A-13565

Query Match	40.8%	Score 108.5;	DB 4;	Length 469;
Best Local Similarity	55.7%;	Pred. No. 0.0015;		
Matches 34;	Conservative 7;	Mismatches 13;	Indels 7;	Gaps 3;

[illegible]

Search completed: July 27, 2005, 01:26:46  
Job time : 17.5401 secs

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```
APPLICANT: Ohlsen, Kari
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITRA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 59321
LENGTH: 323
TYPE: PRF
ORGANISM: Klebsiella pneumoniae
US-10-282-122A-59321

Query Match      41.5% Score 130; DB 15; Length 323;
Best Local Similarity 57.7%; Pred. No. 0.00025;
Matches 41; Conservative 6; Mismatches 18; Indels 6; Gaps 3;

QY 1 AKYAKKKEAYAKA---KKAEEKAKKAKAEKKA--KAAYAEKKEVAAE-ATYKAA 54
DB 80 AKKQAEAEAKKAAAEAKKAAAKKAAKQAEAKKAAQCEAAKQAAAEKAAAEKAAKAA 139
QY 55 AKAAKAAAYE 65
DB 140 QCAAEEKAAAE 150

RESULT 13
US-10-282-122A-55748
Sequence 55748, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Kari
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITRA.034A
```

```
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 55748
LENGTH: 428
TYPE: PRF
ORGANISM: Enterobacter cloacae
US-10-282-122A-55748

Query Match      41.5% Score 130; DB 15; Length 428;
Best Local Similarity 56.1%; Pred. No. 0.00034;
Matches 37; Conservative 11; Mismatches 16; Indels 2; Gaps 2;

QY 1 AKYAKKKEAYAKA---KKAEEKAKKAKAEKKA---KKAAYAEKKEVAAEAKYKAAKAAK 60
DB 163 AAEAKKAAADNQ-KKAEAEAKKAAADNQKKA-EAEAKKAAADNQKKAEEAAKKAQ 220
QY 61 EAYEA 66
DB 221 EAEKKA 226

RESULT 14
US-10-282-122A-67145
Sequence 67145, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Kari
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITRA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
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PRIOR FILING DATE: 2001-02-09

Search completed: July 27, 2005, 02:06:48  
Job time : 67.6962 secs



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? NUMBER OF SEQ ID NOS: 7
? SOFTWARE: PatentIn version 3.1
? SEQ ID NO: 4
? LENGTH: 66
? TYPE: PRT
? ORGANISM: Artificial Sequence
? FEATURE:
? OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
? OS-09-816-989A-4

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Query Match	100.0%;	Score 313;	DB 4;	Length 66;
Best Local Similarity	100.0%;	Pred. No. 1.2e-23;		
Matches	66;	Conservative	0;	Mismatches 0;
			Indels	0;
			Gaps	0;

Qy	1	AKKAKKKEKKYAKAKKAEAAAKKAKAEAKYKAKAEKKEYYAAAEAYKKEAAAKAAK	60
Db	1	AKKAKKKEKKYAKAKKAEAAAKKAKAEAKYKAKAEKKEYYAAAEAYKKEAAAKAAK	60
Qy	61	EAAYEA 66	
Db	61	EAAYEA 66	

RESULT 3  
 US-09-405-743A-5  
 : Sequence 5, Application US/09405743A  
 : Patent No. 6514938  
 : GENERAL INFORMATION:  
 : APPLICANT: Veda Research and Development Co., Ltd.  
 : TITLE OF INVENTION: GLATTIRAMER ACETATE MOLECULAR WEIGHT MARKERS  
 : FILE REFERENCE: 60807-A  
 : CURRENT APPLICATION NUMBER: US/09/405,743A  
 : CURRENT FILING DATE: 1999-09-24  
 : NUMBER OF SEQ ID NOS: 7  
 : SOFTWARE: PatentIn Ver. 2.1  
 : SEQ ID NO 5  
 : LENGTH: 77  
 : TYPE: PRT  
 : ORGANISM: Artificial Sequence  
 : FEATURE:  
 : OTHER INFORMATION: Description of Artificial Sequence:  
 : OTHER INFORMATION: PEPTIDE  
 : US-09-405-743A-5  
 : SYNTHETIC

Query Match	90.3%;	Score 282.5;	DB 4;	Length 77;
Best Local Similarity	84.4%;	Pred. No. 1.2e-20;		
Matches 65; Conservative	0;	Mismatches 1;	Indels 11;	Gaps 2

[illegible]

```

: RESULT 4
: US-09-816-989A-5
: Sequence 5, Application US/09816989A
: Patent No. 6800287
: GENERAL INFORMATION:
: APPLICANT: Gad, Alexander
: APPLICANT: Lis, Doris
: TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKERS
: TITLE OF INVENTION: AND FOR THERAPEUTIC USE
: FILE REFERENCE: 2609/60807-A-PCT-US
: CURRENT APPLICATION NUMBER: US/09/816,989A
: CURRENT FILING DATE: 2001-03-23
: PRIOR APPLICATION NUMBER: 60/101,693
: PRIOR FILING DATE: 1998-09-25
: PRIOR APPLICATION NUMBER: PCT/US99/22402
: PRIOR FILING DATE: 1999-09-24

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; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
; OS-09-816-989A-5

```

Query Match	90.3%;	Score 282.5;	DB 4;	Length 77;
Best Local Similarity	84.4%;	Pred. No. 1.2e-20;		
Matches	65;	Conservative	0;	Mismatches 1;
				Indels 11;
				Gaps 2;

Qy	1	AKYAKKEKERYAK----	-AKAEAK-----	-AAKKAABAKYAKAABEKKYAAAAEK	49
Db	1	AKYAKKEKERYAKAKKA	AKKAABAKYAKAABEKKYAKAABEKKYAAAAEK	60	
Qy		50	YKAAAKAAKAAEAAYEA	66	
Db		61	YKAAAPAAKAAEAAYEA	77	

RESULT 5  
 US-09-405-743A-6  
 : Sequence 6, Application US/09405743A  
 : Patent No. 6514938  
 : GENERAL INFORMATION:  
 : APPLICANT: Veda Research and Development Co., Ltd.  
 : TITLE OF INVENTION: GAITRINER ACETATE MOLECULAR WEIGHT MARKERS  
 : FILE REFERENCE: 60807-A  
 : CURRENT APPLICATION NUMBER: US/09/405, 743A  
 : NUMBER OF FILING DATE: 1999-09-24  
 : NUMBER OF SEQ ID NOS: 7  
 : SOFTWARE: PatentIn Ver. 2.1  
 : SEQ ID NO 6  
 : LENGTH: 86  
 : TYPE: PRP  
 : ORGANISM: Artificial Sequence  
 : FEATURE:  
 : OTHER INFORMATION: Description of Artificial Sequence:  
 : OTHER INFORMATION: PEPTIDE  
 US-09-405-743A-6  
 SYNTHETIC

Query Match	85.6%;	Score 268;	DB 4;	Length 86;
Best Local Similarity	75.6%;	Pred. No. 3.3e-19;		
Matches 65;	Conservative	0;	Mismatches 1;	Indels 20;
				Gaps 3;

[illegible]

```

RESULT 6
US-09-816-989A--6
; Sequence 6, Application US/09816989A
; Patent No. 6800287
; GENERAL INFORMATION:
; APPLICANT: Gad, Alexander
; APPLICANT: Lis, Doris
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK
; TITLE OF INVENTION: AND FOR THERAPEUTIC USE
; FILE REFERENCE: 2609/60807-A--PCT-US
; CURRENT APPLICATION NUMBER: US/09/816,989A
; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/101,693
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: PCT/US99/22402
; PRIOR FILING DATE: 1999-09-24

```



Patent NO. 6800287  
GENERAL INFORMATION:  
APPLICANT: Gad, Alexander  
APPLICANT: Lie, Doris  
TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKERS  
TITLE OF INVENTION: AND FOR THERAPEUTIC USE  
FILE REFERENCE: 2609/60807-A-PCT-US  
CURRENT APPLICATION NUMBER: US/09/816,989A  
CURRENT FILING DATE: 2001-03-23  
PRIOR APPLICATION NUMBER: 60/101,693  
PRIOR FILING DATE: 1998-09-25  
PRIOR APPLICATION NUMBER: PCT/US99/22402  
PRIOR FILING DATE: 1999-09-24

```

1  / NUMBER OF SEQ ID NOS: 7
2  / SOFTWARE: PatentIn version 3.1
3  / SEQ ID NO 3
4  / LENGTH: 56
5  / TYPE: PRT
6  / ORGANISM: Artificial Sequence
7  / FEATURE:
8  / OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
9  /IS-09-816-989A-3

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COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
MEDIUM TYPE: storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: FastSeq for Windows 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/167,641C  
FILING DATE: December 14, 1993  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/855,389  
FILING DATE: March 20, 1992  
APPLICATION NUMBER: PCT/US93/02725  
FILING DATE: March 19, 1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Warburg, Richard J.  
REGISTRATION NUMBER: 32,327  
REFERENCE/DOCKET NUMBER: 205/012  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510  
INFORMATION FOR SEQ ID NO: 64:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 100 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
OTHER INFORMATION: "Lys Ala" in positions 3 to 100 may be  
US-08-167-641C-64

Query Match 40.9%; Score 128; DB 3; Length 100;  
Best Local Similarity 62.7%; Pred. No. 1.1e-05;  
Matches 42; Conservative 5; Mismatches 16; Indels 4; Gaps 4;

QY 1 AKKYAK-KEKAYAKK-KAEAKAKAKKAEAKKYAKA-AKAEKKEVAAAEAKYKAA-AK 56  
DB 2 AAK 61

QY 57 AAKAEA 63  
DB 62 AAKAKAKA 68

RESULT 14  
US-08-460-971A-64  
Sequence 64, Application US/08460971A  
Patent No. 6150168  
GENERAL INFORMATION:  
APPLICANT: Woo, Savio L.C.  
APPLICANT: Smith, Louis C.  
APPLICANT: Cristiano, Richard J.  
APPLICANT: Gotchalk, Stephen  
TITLE OF INVENTION: NUCLEIC ACID TRANSPORTER SYSTEMS AND  
TITLE OF INVENTION: METHODS OF USE  
NUMBER OF SEQUENCES: 65  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
STREET: Suite 4700  
CITY: Los Angeles  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071-2066  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
MEDIUM TYPE: storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: FastSeq for Windows 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/460,971A  
FILING DATE: June 5, 1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/167,641  
FILING DATE: December 14, 1993  
APPLICATION NUMBER: 07/855,389  
FILING DATE: March 20, 1992  
APPLICATION NUMBER: PCT/US93/02725  
FILING DATE: March 19, 1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Warburg, Richard J.  
REGISTRATION NUMBER: 32,327  
REFERENCE/DOCKET NUMBER: 212/063  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510  
INFORMATION FOR SEQ ID NO: 64:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 100 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
OTHER INFORMATION: "Lys Ala" in positions 3 to 100 may be  
US-08-460-971A-64

Query Match 40.9%; Score 128; DB 3; Length 100;  
Best Local Similarity 62.7%; Pred. No. 1.1e-05;  
Matches 42; Conservative 5; Mismatches 16; Indels 4; Gaps 4;

QY 1 AKKYAK-KEKAYAKK-KAEAKAKAKKAEAKKYAKA-AKAEKKEVAAAEAKYKAA-AK 56  
DB 2 AAK 61

QY 57 AAKAEA 63  
DB 62 AAKAKAKA 68

RESULT 15  
US-08-462-040-64  
Sequence 64, Application US/08462040  
Patent No. 6177554  
GENERAL INFORMATION:  
APPLICANT: Woo, Savio L.C.  
APPLICANT: Smith, Louis C.  
APPLICANT: Cristiano, Richard J.  
APPLICANT: Gotchalk, Stephen  
TITLE OF INVENTION: NUCLEIC ACID TRANSPORTER SYSTEMS AND  
TITLE OF INVENTION: METHODS OF USE  
NUMBER OF SEQUENCES: 65  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
STREET: Suite 4700  
CITY: Los Angeles  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071-2066  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
MEDIUM TYPE: storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: FastSeq for Windows 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/462,040

FILING DATE: June 5, 1995  
 CLASSIFICATION: 536  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/167,641  
 FILING DATE: December 14, 1993  
 APPLICATION NUMBER: 07/855,389  
 FILING DATE: March 20, 1992  
 APPLICATION NUMBER: PCT/US93/02725  
 FILING DATE: March 19, 1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Warburg, Richard J.  
 REGISTRATION NUMBER: 32,327  
 REFERENCE/DOCKET NUMBER: 212/078  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (213) 489-1600  
 TELEFAX: (213) 955-0440  
 TELEX: 67-3510  
 INFORMATION FOR SEQ ID NO: 64:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 100 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 FEATURE:  
 OTHER INFORMATION: "Lys Ala" in positions 3 to 100 may be  
 present or absent.  
 US-08-462-040-64

Query Match	Score	DB	Length
40.9%	128	3	100

Matches 42; Conservative 5; Mismatches 16; Indels 4; Gaps 4;

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Dy      1 AKTKAK-KEKAYAKAR-KAEKKAAKKKAEEKKYYAKA-AKAKEEYAAAEEAKTYAEA-AAK 56  
       ||||| :|||| |::| ::||| :||| :||  
  
Db      2 AKAkakakAkakAkAkAkAkAkAkAkAkAkAkAkAkAkAkAkAkAkAkAkAkAkAkAkAkAk 61
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QY	57	AAAKEAA	63
Db	62	AKAKAKA	68

Search completed: July 27, 2005, 01:26:46  
Job time : 19.4937 secs

QY 1 AKTYAKKEKAYAKKAEEKAKKAEEKAKYKAAEAKKAKAEAKKYAKAKAKAEKKKAYAAAAEAK 60

Db 1 AKTYAKKEKAYAKKAEEKAKKAEEKAKYKAAEAKKAKAEAKKYAKAKAKAEKKKAYAAAAEAK 60

QY 61 YKAAAKAAKAAEAYEA 77  
Db 61 YKAAAKAAKAAEAYEA 77

## RESULT 2

US-10-792-311-5  
; Sequence 5, Application US/10792311  
; Publication No. US20050038233A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/10/792,311  
; CURRENT FILING DATE: 2004-03-02  
; PRIOR APPLICATION NUMBER: US/09/816,989  
; PRIOR FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 5  
; LENGTH: 77  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-10-792-311-5

Query Match 100.0%; Score 366; DB 17; Length 77;  
Best Local Similarity 100.0%; Pred. No. 8.4e-25;  
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKKYAKKEKAYAKKAEKAKKAEKAYKAAEKKKAKKAEKAYKAAEKKEKAYAAAEAK 60  
Db 1 AKKYAKKEKAYAKKAEKAKKAEKAYKAAEKKKAKKAEKAYKAAEKKEKAYAAAEAK 60  
QY 61 YKAAAKAAKAAEAYEA 77  
Db 61 YKAAAKAAKAAEAYEA 77

## RESULT 3

US-09-816-989A-6  
; Sequence 6, Application US/09816989A  
; Patent No. US20020115103A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; CURRENT FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 6  
; LENGTH: 86  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-6

Query Match 96.0%; Score 351.5; DB 9; Length 86;

Best Local Similarity 89.5%; Pred. No. 1.7e-23;  
Matches 77; Conservative 0; Mismatches 0; Indels 9; Gaps 1;

QY 1 AKKYAKKEKAYAKKAEKAKKAEKAYKAAEKKKAKKAEKAYKAAEKKEKAYAAAEAK 60  
Db 1 AKKYAKKEKAYAKKAEKAKKAEKAYKAAEKKKAKKAEKAYKAAEKKEKAYAAAEAK 60

QY 61 -----YKAAAKAAKAAEAYEA 77  
Db 61 YKAAAKKAYKAAKAAKAAKAAEAYEA 86

## RESULT 4

US-10-792-311-6  
; Sequence 6, Application US/10792311  
; Publication No. US20050038233A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/10/792,311  
; CURRENT FILING DATE: 2004-03-02  
; PRIOR APPLICATION NUMBER: US/09/816,989  
; PRIOR FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 6  
; LENGTH: 86  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-10-792-311-6

Query Match 96.0%; Score 351.5; DB 17; Length 86;  
Best Local Similarity 89.5%; Pred. No. 1.7e-23;  
Matches 77; Conservative 0; Mismatches 0; Indels 9; Gaps 1;

QY 1 AKKYAKKEKAYAKKAEKAKKAEKAYKAAEKKKAKKAEKAYKAAEKKEKAYAAAEAK 60  
Db 1 AKKYAKKEKAYAKKAEKAKKAEKAYKAAEKKKAKKAEKAYKAAEKKEKAYAAAEAK 60  
QY 61 -----YKAAAKAAKAAEAYEA 77  
Db 61 YKAAAKKAYKAAKAAKAAKAAEAYEA 86

## RESULT 5

US-09-816-989A-7  
; Sequence 7, Application US/09816989A  
; Patent No. US20020115103A1  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; CURRENT FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 7  
; LENGTH: 109

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; GENERAL INFORMATION:
; APPLICANT: Gad, Alexander

```

	Query Match	67.1%;	Score 245.5;	DB 17;	Length 56;
	Best Local Similarity	72.7%;	Pred. No. 1.7e-14;		
	Matches	Conservative	0;	Mismatches	0; Indels 21; Gaps 1;
Oy	1 AKKXAKKEKAATKKAEKAAKGAAYKAAATAKKAAGAAGKATYAKAALAEKKEVAAAATAK	60			
Dd	1 AAKTAKKEKAAATKKAEKAAKGAAYKAAATAKKAAGAAGKATYAKAALAEKKEVAAAATAK	39			
Oy	61 YKAAEAAKAAATEAAVEEA	77			
Dd	40 YKAAEAAKAAATEAAVEEA	56			

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RESULT 11
US-10-282-122A-56483
; Sequence 56483, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zykkind, Juddith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsych, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: EITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,948
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 56483
; LENGTH: 421
; TYPE: PRT
; ORGANISM: Escherichia coli
US-10-282-122A-56483

Query Match 41.1%; Score 150.5; DB 15; Length 421;
Best Local Similarity 53.7%; Pred. No. 2.3e-05;
Matches 44; Conservative 8; Mismatches 23; Indels 7; Gaps 2;

QY 3 KYAKKERAYVKKAEKAKAEAKAYKAAEKKKAKAEAKKYAK-----DAKAEKK-EYA 55
      | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 130 KQKAEEBAKKAADAARAKKAEDAKKAEEAKKAKQAAADAKKKAEBAKKAABAEQKKAEA 189
      | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 56 AAERKYYQAEAKKAQAEAYEA 77
      | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 190 AAALKKRAEAAEAAAAAEARKKA 211
      | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

RESULT 12
US-10-282-122A-75047
; Sequence 75047, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert

```



```

CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 72645
LENGTH: 387
TYPE: PRT
ORGANISM: Salmonella paratyphi A
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (78)..(78)
OTHER INFORMATION: X=any amino acid
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (303)..(303)
OTHER INFORMATION: X=any amino acid
U3-10-282-122A-72645

Query Match          40.0%; Score 146.5; DB 15; Length 387;
Best Local Similarity 58.6%; Pred. No. 4.7e-05;
Matches 51; Conservative 7; Mismatches 16; Indels 13; Gaps 6

Cy      1 AKKYAKKEKAYAKKAEKAKKAEKAYK-AAEAKKKAKAEKAKYA---KAAKAEKKEYA 55
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Lb      141 AKKKAEBEA--AKKAADAKKKAEAEKAYKAAADAKKKAEAEKAKAAADAKKKAEAEKAK-A 197
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

Cy      56 AAEAAYK--AEAAKAA--KEAAYEA 77
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Lb      198 AAEAKKKAEAEAAKAAADAKKKADAEEA 224
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

RESULT 14
US-10-282-122A-75772
Sequence 75772, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Kari
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: EPIITA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20

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```

; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 75772
; LENGTH: 376
; TYPE: PRT
; ORGANISM: Salmonella typhi
US-10-282-122A-75772

Query Match          39.9%; Score 146; DB 15; Length 376;
Best Local Similarity 54.4%; Pred. No. 5e-05;
Matches 49; Conservative 7; Mismatches 14; Indels 20; Gaps 5;

Qy 1 AKKVAKKKAYAKKKAAYK-AAEAKKKAKKAYAKKAYK-----SY 54
Db 158 AKKAAEAE--AKAAADAKKAAEAAKAAAKKAAEAAK--AAADAKKAAEAAK 213
Qy 55 AAABAKYKAEAA-----KAAAKEAA 74
Db 214 AAABAKKADAAAKAAADAKKAAAEKAA 243

RESULT 15
US-10-282-122A-55748
; Sequence 55748, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Foreyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A US/10/282,122A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
```

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; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 55748
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Enterobacter cloacae
US-10-282-122A-55748

Query Match          39.3%; Score 144; DB 15; Length 428;
Best Local Similarity 59.0%; Pred. No. 8.6e-05;
Matches 49; Conservative 11; Mismatches 11; Indels 12; Gaps 6;

Qy 1 AKKVA--KKKAYAKKAEKAA-----KKAAYK--AAEAKKKAKKAYAKKAYK 52
Db 167 AKKAAADAKKAAEAAKAAADAKKAAEAAKAAADAKKAAEAAKAA--AEAEK 225
Qy 53 EYAAAEAKYKAEAA--KAAAKEAA 74
Db 226 --AAABAKKAAAEKAAAEKAA 246

Search completed: July 27, 2005, 02:06:48
Job time : 77.8122 secs
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; PRIOR FILING DATE: 1999-09-24

NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 5  
; LENGTH: 77  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-5

Query Match 100.0%; Score 366; DB 4; Length 77;  
Best Local Similarity 100.0%; Pred. No. 7.8e-28;  
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKKYAKKEKAYAKKAEKAKAEKAYKAAEKAKKAKAEKAYAKKAEKKEKAYAAAEAK 60  
DB 1 AKKYAKKEKAYAKKAEKAKAEKAYKAAEKAKKAKAEKAYAKKAEKKEKAYAAAEAK 60  
QY 61 YKAEAAKAAKAEAYEA 77  
DB 61 YKAEAAKAAKAEAYEA 77

RESULT 3  
US-09-405-743A-6  
; Sequence 6, Application US/09405743A  
; Patent No. 6514938  
; GENERAL INFORMATION:  
; APPLICANT: Yeda Research and Development Co., Ltd.  
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS  
; FILE REFERENCE: 60807-A  
; CURRENT APPLICATION NUMBER: US/09/405,743A  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 6  
; LENGTH: 86  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC  
US-09-405-743A-6

Query Match 96.0%; Score 351.5; DB 4; Length 86;  
Best Local Similarity 89.5%; Pred. No. 2e-26;  
Matches 77; Conservative 0; Mismatches 0; Indels 9; Gaps 1;

QY 1 AKKYAKKEKAYAKKAEKAKAEKAYKAAEKAKKAKAEKAYAKKAEKKEKAYAAAEAK 60  
DB 1 AKKYAKKEKAYAKKAEKAKAEKAYKAAEKAKKAKAEKAYAKKAEKKEKAYAAAEAK 60  
QY 61 -----YKAEAAKAAKAEAYEA 77  
DB 61 YKAEAAKAAKAEAYEA 86

RESULT 4  
US-09-816-989A-6  
; Sequence 6, Application US/09816989A  
; Patent No. 6800287  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; PRIOR FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24

NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 6  
; LENGTH: 86  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
US-09-816-989A-6

Query Match 96.0%; Score 351.5; DB 4; Length 86;  
Best Local Similarity 89.5%; Pred. No. 2e-26;  
Matches 77; Conservative 0; Mismatches 0; Indels 9; Gaps 1;

QY 1 AKKYAKKEKAYAKKAEKAKAEKAYKAAEKAKKAKAEKAYAKKAEKKEKAYAAAEAK 60  
DB 1 AKKYAKKEKAYAKKAEKAKAEKAYKAAEKAKKAKAEKAYAKKAEKKEKAYAAAEAK 60  
QY 61 -----YKAEAAKAAKAEAYEA 77  
DB 61 YKAEAAKAAKAEAYEA 86

RESULT 5  
US-09-405-743A-7  
; Sequence 7, Application US/09405743A  
; Patent No. 6514938  
; GENERAL INFORMATION:  
; APPLICANT: Yeda Research and Development Co., Ltd.  
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS  
; FILE REFERENCE: 60807-A  
; CURRENT APPLICATION NUMBER: US/09/405,743A  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 7  
; LENGTH: 109  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC  
US-09-405-743A-7

Query Match 79.0%; Score 289; DB 4; Length 109;  
Best Local Similarity 67.0%; Pred. No. 1.8e-20;  
Matches 73; Conservative 1; Mismatches 3; Indels 32; Gaps 4;

QY 1 AKKYAKK-EKAYAKKA-----EKAKKAEKAYKAAEKKA----- 36  
DB 1 AKKYAKKAEKAYAKKAEKAKAEKAYKAAEKAKKAKAEKAYAKKAEKKEKAYAAAEAK 60  
QY 37 -KAEAKKYAKKAEKKEKAYAAAEAK-----YKAEAAKAAKAEAYEA 77  
DB 61 YKAEAKKYAKKAEKKEKAYAAAEAKKAEKAKAEKAYKAAEKAAKAEAYEA 109

RESULT 6  
US-09-816-989A-7  
; Sequence 7, Application US/09816989A  
; Patent No. 6800287  
; GENERAL INFORMATION:  
; APPLICANT: Gad, Alexander  
; APPLICANT: Lis, Doris  
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK  
; FILE REFERENCE: 2609/60807-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/816,989A  
; PRIOR FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: 60/101,693  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: PCT/US99/22402  
; PRIOR FILING DATE: 1999-09-24

Sequence 3, Application US/09816989A  
Patent No. 6800287  
GENERAL INFORMATION:  
APPLICANT: Gad, Alexander  
APPLICANT: Lis, Doris  
TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKERS  
TITLE OF INVENTION: AND FOR THERAPEUTIC USE  
FILE REFERENCE: 2609/60807-A-PCT-US  
CURRENT APPLICATION NUMBER: US/09/816,989A  
CURRENT FILING DATE: 2001-03-23  
PRIORITY APPLICATION NUMBER: 60/101,693  
PRIORITY FILING DATE: 1998-09-25  
PRIORITY APPLICATION NUMBER: PCT/US99/22402  
PRIORITY FILING DATE: 1999-09-24

[illegible]











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; GENERAL INFORMATION:
; APPLICANT: Gad, Alexander

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QY      1 AKKXAKKEKKVARKKAERAAKKAEEAKAYAAAEAKKKARAKAEEAKKYAAKAAAEKKEEATAAAEA 60
Db      1 AKKTAAKKEKAVAAKKAERAAKKAEEAKAYAAAEAKKKARAKAEEAKKKAAEA----- 39
QY      61 YKAEPAKKAYKAAEAAKAAAEAYEA 86
Db      40 -----YKAEAAKAAKAAAEAYEA 56

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Qy      1 AKKTKAKKEKNAKAKAEKAEKAEKAEKAYKAAAEKAKKAKAEKAKYKAAAEKKEKKEKAEKAAAEK 60
Db      1 AKTKAKKEKNAKAAKAEKAEKAEKAEKAEKAEKAEKAEKAEKAEKAEKAEKAEKAEKAEKAEK 39
Qy      61 YKAEAKKAKYKAEKAEKAAKAEKAEKAEKAEKAEKAEKAEKAEKAEKAEKAEKAEKAEKAEK 86
Db      40 -----YKAEAKKAAKAAKAEKAEKAEKAEKAEKAEKAEKAEKAEKAEKAEKAEKAEKAEKAEK 56

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Query Match          40.5%; Score 165.5; DB 15; Length 407;
Best Local Similarity 51.9%; Pred. No. 1.6e-06;
Matches      55; Conservative   14; Mismatches    16; Indels     21; Gaps       6;

Oy      1 AKKYAKKEKAYAKKAEEAAA-----KKAEAAKYK-AAEAKKCAKAEAKTYA-----KAAAEK 51
         :|:::|||||||
Db      123 AAATLAAAAAQAADAKKGAAGAAKAAADAACCKAAEAAVYAAADAKKGAEEBA 182
         AAKLAQAAAAEBAQAQAADAKKGAAGAAKAAADAACCKAAEAAVYAAADAKKGAEEBA

Oy      52 KEVAALAEKYKAEA-----AKKAYKAEAAKAAA--KEAVEA 86
         :|:::|||||||
Db      183 AK-AAADAKKGAEEBAKAAAAAEAKKGAEEBAKAAAAAEAKKGADEA 227
         :|:::|||||||

RESULT 12
US-10-282-122A-72645
; Sequence 72645, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
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; APPLICANT: Ohlsen, Kari
; APPLICANT: Zvekind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITRA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 72645
LENGTH: 387
TYPE: PRT
ORGANISM: Salmonella paratyphi A
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (78)-(78)
OTHER INFORMATION: X=any amino acid
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (303)-(303)
OTHER INFORMATION: X=any amino acid
US-10-282-122A-72645

Query Match 40.1%; Score 164; DB 15; Length 387;
Best Local Similarity 57.0%; Pred. No. 2.1e-06;
Matches 53; Conservative 7; Mismatches 17; Indels 16; Gaps 5

QY 1 AKYAKKKEKAYAKKAEKAKKAEKAYK-AAEAKKKAKAEAKKYA---KAAAEKKEYA 55
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 141 AKKKAEEPPA--AKAAADAKKGAEEAAVAAADAKKKAEEAAKAAADAKKKAEEAAK-A 197
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 56 AAERKYKAE-----AKKAYKEAAKKAAK 80
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 198 AAERKKGAEEAAKAAADAKKKAEEAAKAAAE 230
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 13
US-10-282-122A-56483
Sequence 56483, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zvekind, Judith

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APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: EITRA-034A
CURRENT APPLICATION NUMBER: US/10/282,122A
PRIORITY FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/220,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 56483
LENGTH: 421
TYPE: PRT
ORGANISM: Escherichia coli
US-10-282-122A-56483

Query Match      40.1%; Score 164; DB 15; Length 421;
Best Local Similarity 59.3%; Pred. No. 2.3e-06;
Matches 51; Conservative 7; Mismatches 18; Indels 10; Gaps 4.

QY      7 KKAAYAKKAAKKAAKAAKYAAAEAK-KKAKAAKTYKAAA-----KAEKEVAAAAA 59
        |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Dt      148 KAADAAEAEEBAKKAAADAADAKKKAEEAAKAAAEQAQKAAEAAAAALKKGAEEAAEAAAAEA 207
        :||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

QY      60 KYKA--EAACKAYYKAEAKAAAKAA 83
        :||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Dt      208 RKKAATEAAEKX-KAEAEKKAAMAEKA 232

RESULT 14
US-10-282-122A-68109
Sequence 68109, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haeelbeck, Robert
APPLICANT: Ohlsen, Kari
APPLICANT: Zvekind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: EITRA 034A
CURRENT APPLICATION NUMBER: US/10/282,122A
PRIORITY FILING DATE: 2003-02-20
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; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 68109
; LENGTH: 372
; TYPE: PRT
; ORGANISM: Pseudomonas putida
US-10-282-122A-68109

Query Match          39.9%; Score 163; DB 15; Length 372;
Best Local Similarity 53.1%; Pred. No. 2,4e-06;
Matches 52; Conservative 12; Mismatches 22; Indels 12; Gaps 5;

QY      1 AKKYAKKEKA--YAKKAE-KAAKKAQAAKYYKAA--EAKKKAQAAEKKA-----KAAKA 49
        |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||:
DB      148 AKKALEKQADIAKKKAEDEAKKAEBAKKAABEAKKAAAEBAKKAADAKKAAEBAKKAAD 207
        |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||:

QY      50 EKKEYYAAAEAKYK-ABAAKKAYKAAKAAKAAKAAEAAVEA 86
        |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||:
DB      208 AKKAAABDAAKKAABEAKKAAADAAQKKKAQEAARKA 245
        |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||:

RESULT 15
US-10-282-122A-55748
; Sequence 55748, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA-034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
```

```

; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 55748
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Enterobacter cloacae
US-10-282-122A-55748

Query Match          39.4%; Score 161; DB 15; Length 428;
Best Local Similarity 47.5%; Pred. No. 4,2e-06;
Matches 48; Conservative 16; Mismatches 21; Indels 16; Gaps 3;

QY      1 AKKYAKKEKAYAKKAEKAKK-----AEAKKYKAAEAKKKKAAEAKYKAAKAEKK 52
        |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||:
DB      127 ABEAKKKAQEOCKQHEBAKAAADAKAQAADQAKLAEBAAKKAADAAQKAE-ABAAKK 185
        |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||:

QY      53 EYAAAEAKYKAAEAAKKA-----YKAEBAKAAEAAVEA 86
        |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||:
DB      186 AAADAAQKKAABEAAKKAADAAQKKAABEAAKKAQEAARKA 226
        |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||:

Search completed: July 27, 2005, 02:06:49
Job time : 87.9072 secs
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No.	Score	Query	Match	Length	DB	ID	Description
1	409	100.0	86	4	US-09-405-743A-6		Sequence 6, Appl#1
2	409	100.0	86	4	US-09-816-989A-6		Sequence 6, Appl#1
3	351.5	85.9	77	4	US-09-405-743A-5		Sequence 5, Appl#1
4	351.5	85.9	77	4	US-09-816-989A-5		Sequence 5, Appl#1
5	312.5	76.4	109	4	US-09-405-743A-7		Sequence 7, Appl#1
6	312.5	76.4	109	4	US-09-816-989A-7		Sequence 7, Appl#1
7	268	65.5	66	4	US-09-405-743A-4		Sequence 4, Appl#1
8	233	57.0	56	4	US-09-816-989A-4		Sequence 4, Appl#1
9	233	57.0	56	4	US-09-405-743A-3		Sequence 3, Appl#1
10	233	57.0	56	4	US-09-816-989A-3		Sequence 3, Appl#1
11	157.5	38.5	465	4	US-09-469-039A-13565		Sequence 13565, Appl#1
12	156	38.1	100	2	US-08-460-890A-64		Sequence 64, Appl#1
13	156	38.1	100	3	US-08-167-641C-64		Sequence 64, Appl#1
14	156	38.1	100	3	US-08-460-971A-64		Sequence 64, Appl#1
15	156	38.1	100	3	US-08-462-940-64		Sequence 64, Appl#1
16	154	37.7	407	4	US-09-252-991A-29581		Sequence 29581, Appl#1
17	147	35.9	214	3	US-09-411-889-27		Sequence 27, Appl#1
18	147	35.9	214	4	US-09-417-264-27		Sequence 27, Appl#1
19	141.5	34.6	361	4	US-09-543-681A-5390		Sequence 5390, Appl#1
20	140.5	34.4	214	4	US-09-328-352-5169		Sequence 5169, Appl#1
21	140	34.2	468	4	US-09-328-352-6321		Sequence 6321, Appl#1
22	137.5	33.6	472	2	US-08-216-894-10		Sequence 10, Appl#1
23	137.5	33.6	472	3	US-09-115-746-10		Sequence 10, Appl#1
24	137.5	33.6	564	2	US-08-216-894-2		Sequence 2, Appl#1
25	137.5	33.6	564	3	US-09-115-746-2		Sequence 2, Appl#1
26	137.5	33.6	643	2	US-08-216-894-8		Sequence 8, Appl#1
27	137.5	33.6	643	3	US-09-115-746-8		Sequence 8, Appl#1

28	135	33.0	1156	4	US-09-920-540-15564	Sequence 15564, A
29	133.5	32.6	433	1	US-08-346-849-2	Sequence 2, Appl1
30	133.5	32.6	433	2	US-08-293-2844A-2	Sequence 2, Appl1
31	133.5	32.6	433	4	US-08-898-300-2	Sequence 2, Appl1
32	133.5	32.6	433	4	US-08-824-513-2	Sequence 2, Appl1
33	129.5	31.7	223	3	US-09-095-855-201	Sequence 201, Appl
34	129.5	31.7	223	3	US-09-203-426-201	Sequence 201, Appl
35	127.5	31.2	1507	4	US-08-982-329-5	Sequence 1507, A
36	127	31.1	207	4	US-09-489-039A-13743	Sequence 13743, A
37	127	31.1	222	3	US-08-837-058-3	Sequence 3, Appl1
38	127	31.1	222	3	US-09-041-889-3	Sequence 3, Appl1
39	127	31.1	222	3	US-09-417-264-3	Sequence 3, Appl1
40	126.5	30.9	45	4	US-09-405-743A-2	Sequence 2, Appl1
41	126.5	30.9	45	4	US-09-818-989A-2	Sequence 2, Appl1
42	122.5	30.0	921	4	US-09-543-681A-5734	Sequence 5734, Appl
43	121	29.6	158	3	US-09-041-889-40	Sequence 40, Appl
44	121	29.6	158	4	US-09-417-264-40	Sequence 40, Appl
45	121	29.6	171	4	US-09-270-767-39148	Sequence 39148, A

## ALIGNMENTS

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RESULT 1
US-09-405-743A-6
; Sequence 6, Application US/09405743A
; Patent No. 6514938
; GENERAL INFORMATION:
; APPLICANT: Yeda Research and Development Co., Ltd.
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS
; FILE REFERENCE: 60807-A
; CURRENT APPLICATION NUMBER: US/09/405,743A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
; OTHER INFORMATION: PEPTIDE
US-09-405-743A-6

Query Match      100.0%; Score 409; DB 4; Length 86;
Best Local Similarity 100.0%; Pred.No.3.2e-31;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 AKCTAKKKEKAAYAKKAEKAAKAYKAAEKKKAAEKAKYKAKAKAEKKEYYAAAEAK 60
        |||
Db      1 AKKTAKKKEKAAYAKKAEKAAKAYKAAEKKKAAEKAKYKAKAKAEKKEYYAAAEAK 60
        |||

Qy      61 YKAEAKKAYKAEAAKAAAKEAAVEA 86
        |||
Db      61 YKAEAKKAYKAEAAKAAAKEAAVEA 86
        |||

RESULT 2
US-09-816-989A-6
; Sequence 6, Application US/09816989A
; Patent No. 6800287
; GENERAL INFORMATION:
; APPLICANT: Gad, Alexander
; APPLICANT: Lis, Doris
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKERS
; TITLE OF INVENTION: AND FOR THERAPEUTIC USE
; FILE REFERENCE: 2609/60807-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/816,989A
; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/101,693
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: PCT/US99/22402
; PRIOR FILING DATE: 1999-09-24

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; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
US-09-816-989A-6
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Query Match      100.0%; Score 409; DB 4; Length 86;
Best Local Similarity 100.0%; Pred. No. 3,2e-31;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 AKTVAKKEKAYAKKAEKAKAEKAYKAAEKAKKAKKAYAKKAEKKEKAYAAAEK 60
DB 1 AKTVAKKEKAYAKKAEKAKAEKAYKAAEKAKKAKKAYAKKAEKKEKAYAAAEK 60

QY 61 YKAEAKKAYKAEAKKAAKAEKAYEA 86
DB 61 YKAEAKKAYKAEAKKAAKAEKAYEA 86
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## RESULT 3

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US-09-405-743A-5
; Sequence 5, Application US/09405743A
; Patent No. 6514938
; GENERAL INFORMATION:
; APPLICANT: Yeda Research and Development Co., Ltd.
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS
; FILE REFERENCE: 60807-A
; CURRENT APPLICATION NUMBER: US/09/405,743A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-405-743A-5
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Query Match      85.9%; Score 351.5; DB 4; Length 77;
Best Local Similarity 89.5%; Pred. No. 5,8e-26;
Matches 77; Conservative 0; Mismatches 0; Indels 9; Gaps 1;
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```
QY 1 AKTVAKKEKAYAKKAEKAKAEKAYKAAEKAKKAKKAYAKKAEKKEKAYAAAEK 60
DB 1 AKTVAKKEKAYAKKAEKAKAEKAYKAAEKAKKAKKAYAKKAEKKEKAYAAAEK 60

QY 61 YKAEAKKAYKAEAKKAAKAEKAYEA 86
DB 61 -----YKAEAKKAAKAEKAYEA 77
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## RESULT 4

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US-09-816-989A-5
; Sequence 5, Application US/09816989A
; Patent No. 6800287
; GENERAL INFORMATION:
; APPLICANT: Gad, Alexander
; APPLICANT: Lis, Doris
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK
; FILE REFERENCE: 2609/60807-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/816,989A
; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/101,693
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: PCT/US99/22402
; PRIOR FILING DATE: 1999-09-24
```

```
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
US-09-816-989A-5
```

```
Query Match      85.9%; Score 351.5; DB 4; Length 77;
Best Local Similarity 89.5%; Pred. No. 5,8e-26;
Matches 77; Conservative 0; Mismatches 0; Indels 9; Gaps 1;
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QY 1 AKTVAKKEKAYAKKAEKAKAEKAYKAAEKAKKAKKAYAKKAEKKEKAYAAAEK 60
DB 1 AKTVAKKEKAYAKKAEKAKAEKAYKAAEKAKKAKKAYAKKAEKKEKAYAAAEK 60

QY 61 YKAEAKKAYKAEAKKAAKAEKAYEA 86
DB 61 -----YKAEAKKAAKAEKAYEA 77
```

## RESULT 5

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US-09-405-743A-7
; Sequence 7, Application US/09405743A
; Patent No. 6514938
; GENERAL INFORMATION:
; APPLICANT: Yeda Research and Development Co., Ltd.
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS
; FILE REFERENCE: 60807-A
; CURRENT APPLICATION NUMBER: US/09/405,743A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-405-743A-7
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Query Match      76.4%; Score 312.5; DB 4; Length 109;
Best Local Similarity 72.1%; Pred. No. 3,3e-22;
Matches 80; Conservative 1; Mismatches 3; Indels 27; Gaps 5;
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QY 1 AKTVAKK-EKAYAKKA-----EKAACKAEKAYKAAEKKA----- 36
DB 1 AKTVAKKAEKAYAKKAEKAKAEKAYKAAEKAKKAKKAYAKKAEKKEKAYAAAEK 60

QY 37 -KAEAKKAYAKKAEKKEKAYAAAEKAYKAAEKAKKAYKAAEAAPKAEAYEA 86
DB 61 YKAEAKKAYAKKAEKKEKAYAAAEK-KAEAA-KAYKAAEAAPKAEAYEA 109
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## RESULT 6

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US-09-816-989A-7
; Sequence 7, Application US/09816989A
; Patent No. 6800287
; GENERAL INFORMATION:
; APPLICANT: Gad, Alexander
; APPLICANT: Lis, Doris
; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARK
; FILE REFERENCE: 2609/60807-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/816,989A
; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/101,693
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: PCT/US99/22402
; PRIOR FILING DATE: 1999-09-24
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RESULT 10  
 US-09-816-989A-3  
 ; Sequence 3, Application US/09816989A  
 ; Patent No. 6800287  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Gad, Alexander  
 ; APPLICANT: Lig, Doris  
 ; TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKERS  
 ; TITLE OF INVENTION: AND FOR THERAPEUTIC USE  
 ; FILE REFERENCE: 2609/60807-A-PCT-US  
 ; CURRENT APPLICATION NUMBER: US/09/816,989A  
 ; CURRENT FILING DATE: 2001-03-23  
 ; PRIOR APPLICATION NUMBER: 60/101,693  
 ; PRIOR FILING DATE: 1998-09-25  
 ; PRIOR APPLICATION NUMBER: PCT/US99/22402  
 ; PRIOR FILING DATE: 1999-09-24

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STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/460,890A
FILING DATE: June 5, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/167,641
FILING DATE: December 14, 1993
APPLICATION NUMBER: 07/855,389
FILING DATE: March 20, 1992
APPLICATION NUMBER: PCT/US93/02725
FILING DATE: March 19, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 212/066
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 64:
SEQUENCE CHARACTERISTICS:
LENGTH: 100 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
OTHER INFORMATION: "Lys Ala" in positions 3 to 100 may be
present or absent.
US-08-460-890A-64

Query Match          38.1%; Score 156; DB 2; Length 100;
Best local Similarity 55.3%; Pred. No. 8,3e-08;
Matches 47; Conservative 6; Mismatches 30; Indels 2; Gaps 2;

QY      1 AKKYAK-KEXAVAKAEKAAKKAEEAKYKAAEKKYKAA-AKEKKEVAAAE 58
        |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db       2 AKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAK 61

QY      59 AKYKAELAKAYTALAEAKAAAEKAA 83
        |||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db       62 AKAKAKAKAKAKAKAKAKAKAKAKA 86

RESULT 13
US-08-167-641C-64
Sequence 64, Application US/08167641C
Patent No. 6033884
GENERAL INFORMATION:
APPLICANT: Moo, Savio L.C.
APPLICANT: Smith, Louis C.
APPLICANT: Cristiano, Richard J.
APPLICANT: Gottschalk, Stephen
TITLE OF INVENTION: NUCLEIC ACID TRANSPORTER SYSTEMS AND
TITLE OF INVENTION: METHODS OF USE
NUMBER OF SEQUENCES: 65
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
```

```

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" diskette, 1.44 Mb
MEDIUM TYPE:
COMPUTER: IBM CompatiBle
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/167,641C
FILING DATE: December 14, 1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/855,389
FILING DATE: March 20, 1992
APPLICATION NUMBER: PCT/US93/02725
FILING DATE: March 19, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Wardburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 205/012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 64:
SEQUENCE CHARACTERISTICS:
LENGTH: 100 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
OTHER INFORMATION: "Lys Ala" in positions 3 to 100 may be
OTHER INFORMATION: present or absent.
US-08-167-641C-64

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```

Query March      38.1% Score 156; DB 3; Length 100;
Best Local Similarity 55.3%; Pred No. 8.3e-08;
Matches 47; Conservative 6; Mismatches 30; Indels 2; Gaps 2

QY          1 AKKYAK-EKAYAKKEKAYAKAEAKYAKAAEKKKAAEAAYAKA-AKAEKEYYAAE 58
            ||| |||| | | | | | | | | | | | | | | | | | | | | | :
Db          2 AKAAXAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKX 61

QY          59 AKYAEEAAKKAYKAEAAAPAAAKEAA 83
            ||| ||| | | | | | | | | | | | | | | | | | | | | |
Db         62 AKAKAKAKAKAKAKAKAKAKAKAKAKA 86

RESULT 14
US-08-460-971A-64
Sequence 64, Application US/08460971A
Patent No. 6150168
GENERAL INFORMATION:
Applicant: Woo, Savio L.C.
Applicant: Smith, Louis C.
Applicant: Cristiano, Richard J.
Applicant: Gotchalk, Stephen
Title Of Invention: NUCLEIC ACID TRANSPORTER SYSTEMS AND
NUMBER OF SEQUENCES: 65
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0

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1      SOFTWARE: FASTSEQ for Windows 2.0
2      CURRENT APPLICATION DATA:
3      APPLICATION NUMBER: US/08/460,971A
4      FILING DATE: June 5, 1995
5      CLASSIFICATION: 435
6      PRIOR APPLICATION DATA:
7      APPLICATION NUMBER: 08/167,641
8      FILING DATE: December 14, 1993
9      APPLICATION NUMBER: 07/855,389
10     FILING DATE: March 20, 1992
11     APPLICATION NUMBER: PCT/US93/02725
12     FILING DATE: March 19, 1993
13     ATTORNEY/AGENT INFORMATION:
14     NAME: Warburton, Richard J.
15     REGISTRATION NUMBER: 32,327
16     REFERENCE/DOCKET NUMBER: 212/063
17     TELECOMMUNICATION INFORMATION:
18     TELEPHONE: (213) 489-1600
19     TELEFAX: (213) 955-0440
20     TELEX: 67-3510
21     INFORMATION FOR SEQ ID NO: 64:
22     SEQUENCE CHARACTERISTICS:
23     LENGTH: 100 amino acids
24     TYPE: amino acid
25     STRANDEDNESS: single
26     TOPOLOGY: linear
27     MOLECULE TYPE: peptide
28     FEATURE:
29     OTHER INFORMATION: "Iys Ala" in positions 3 to 100 may be
30     OTHER INFORMATION: present or absent.
31     US-08-460-971A-64

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Query March 38.1%; Score 156; DB 3; Length 100;
Best Local Similarity 55.3%; Pred. No. 8,36-08;
Matches 47; Conservative 6; Mismatches 30; Indels 2; Gaps 2;

Oy 1 AKKYAK-KERAYAKKAEKAKKAEEAKYKAAEAKKKAAEAKKYKA-AKAEKTEYAAAE 58
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 2 AKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAKAK 61
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

Oy 59 AKYKAAKKKKYKKAEAKKAAKKA 83
   |||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 62 AKAKAKAKAKAKAKAKAKAKAKAKA 86
   |||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 15
US-08-462-040-64
; Sequence 64, Application US/08462040
; Patent No. 6177554
; GENERAL INFORMATION:
; APPLICANT: Moo, Savio L.C.
; APPLICANT: Smith, Louis C.
; APPLICANT: Cristiano, Richard J.
; APPLICANT: Gottchalk, Stephen
; TITLE OF INVENTION: NUCLEIC ACID TRANSPORTER SYSTEMS AND
; TITLE OF INVENTION: METHODS OF USE
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S. A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/462,040

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1      FILING DATE: June 5, 1995
2      CLASSIFICATION: 536
3      PRIOR APPLICATION DATA:
4      APPLICATION NUMBER: 08/167,641
5      FILING DATE: December 14, 1993
6      APPLICATION NUMBER: 07/855,389
7      FILING DATE: March 20, 1992
8      APPLICATION NUMBER: PCT/US93/02725
9      FILING DATE: March 19, 1993
10     ATTORNEY/AGENT INFORMATION:
11     NAME: Warburg, Richard J.
12     REGISTRATION NUMBER: 32,337
13     REFERENCE/DOCKET NUMBER: 212/078
14     TELECOMMUNICATION INFORMATION:
15     TELEPHONE: (213) 489-1600
16     TELEFAX: (213) 955-0440
17     TELEX: 67-3510
18     INFORMATION FOR SEQ ID NO: 64:
19     SEQUENCE CHARACTERISTICS:
20     LENGTH: 100 amino acids
21     TYPE: amino acid
22     STRANDEDNESS: single
23     TOPOLOGY: linear
24     MOLECULE TYPE: peptide
25     FEATURE:
26     OTHER INFORMATION: "Lys Ala" in positions 3 to 100 may be
27     OTHER INFORMATION: present or absent.
28     OS-08-462-040-64

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Query Match	38.1%;	Score 156;	DB 3;	Length 100;
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Matches 47; Conservative 6; Mismatches 30; Indels 2; Gaps 2;

**Dy**

1 AKKAAK-KEAAYAKKAEEAKKAEEAKAYAAEAKKKAEEAKKAKA-AAEKKEEYAAAE 58  
|| || || || || : || | : || || || || || :  
**Dz**

2 AKA 61

Qy 59 AKYKAEAACKAYKAEAAKAAKEAA 83  
|||:|  
Db 62 AKAKAKAKAKAKAKAKAKAKAKAKA 86

Search completed: July 27, 2005, 01:26:47  
Job time : 25.4008 secs







```

; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT FILING DATE: 2003-02-20
; PRIOR FILING DATE: 2003-02-20
; PRIOR FILING DATE: 2000-03-21
; PRIOR FILING DATE: 2000-03-21
; PRIOR FILING DATE: 2000-05-23
; PRIOR FILING DATE: 2000-05-23
; PRIOR FILING DATE: 2000-05-26
; PRIOR FILING DATE: 2000-05-26
; PRIOR FILING DATE: 2000-09-06
; PRIOR FILING DATE: 2000-09-06
; PRIOR FILING DATE: 2000-09-09
; PRIOR FILING DATE: 2000-09-09
; PRIOR FILING DATE: 2000-10-23
; PRIOR FILING DATE: 2000-10-23
; PRIOR FILING DATE: 2000-11-27
; PRIOR FILING DATE: 2000-11-27
; PRIOR FILING DATE: 2000-12-22
; PRIOR FILING DATE: 2000-12-22
; PRIOR FILING DATE: 2001-02-09
; PRIOR FILING DATE: 2001-02-09
; PRIOR FILING DATE: 2001-02-16
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 68109
; LENGTH: 372
; TYPE: PRT
; ORGANISM: Pseudomonas putida
; US-10-282-122A-68109

Query Match          36.7%; Score 190.5; DB 15; Length 372;
Best Local Similarity 50.4%; Pred. No. 2.1e-07;
Matches 59; Conservative 14; Mismatches 31; Indels 13; Gaps 4;

QY 5 AKKAEKAYAKKAKA-----EKKAYAKKAEKAYKAA-----AKKKAABEAKKAYAKKAA 54
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 118 AKKADA-AKAEAKKAAAEKAAEAKKAAEAKKAAEAKKAAEAKKAAEAKKAAEAKKAAEAK 176
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||

QY 55 K--AKKEAYAKKAYAKKAAAEKKEKAAAEKAAEAKKAAEAKKAAEAKKAAEAKKAAEAK 109
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 177 KAAAEAKKAAAEKAAEAKKAAEAKKAAEAKKAAEAKKAAEAKKAAEAKKAAEAKKAAADA 233
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||

RESULT 10
; US-10-282-122A-55748
; Sequence 55748, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangau
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.

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; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT FILING DATE: 2003-02-20
; PRIOR FILING DATE: 2003-02-20
; PRIOR FILING DATE: 2000-03-21
; PRIOR FILING DATE: 2000-03-21
; PRIOR FILING DATE: 2000-05-23
; PRIOR FILING DATE: 2000-05-23
; PRIOR FILING DATE: 2000-05-26
; PRIOR FILING DATE: 2000-05-26
; PRIOR FILING DATE: 2000-09-06
; PRIOR FILING DATE: 2000-09-06
; PRIOR FILING DATE: 2000-09-09
; PRIOR FILING DATE: 2000-09-09
; PRIOR FILING DATE: 2000-10-23
; PRIOR FILING DATE: 2000-10-23
; PRIOR FILING DATE: 2000-11-27
; PRIOR FILING DATE: 2000-11-27
; PRIOR FILING DATE: 2000-12-22
; PRIOR FILING DATE: 2000-12-22
; PRIOR FILING DATE: 2001-02-09
; PRIOR FILING DATE: 2001-02-09
; PRIOR FILING DATE: 2001-02-16
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 55748
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Enterobacter cloacae
; US-10-282-122A-55748

Query Match          36.6%; Score 190; DB 15; Length 428;
Best Local Similarity 50.8%; Pred. No. 2.6e-07;
Matches 64; Conservative 8; Mismatches 32; Indels 22; Gaps 5;

QY 1 AKKVA-----KAEKAYAKKAKAKAEKAYAKKAAEAKKAAEAKKAAEAKKAAEAKKAAEAK 47
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 167 AKKAAADAKKAAEAKKAAEAKKAAADAKKAAEAKKAAEAKKAAEAKKAAEAKKAAEAK 224
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||

QY 48 KYAEAKAKKAEKAYAKKAYAKKAAEAKKAAEAKKAAEAKKAAEAKKAAEAKKAAEAK 100
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 225 KAAAEAKKAAAEKAAEAKKAAEAKKAAEAKKAAEAKKAAEAKKAAEAKKAAEAKKAAADA 284
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QY 101 AKKAA 106
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 285 AKKAA 290
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||

RESULT 11
; US-10-282-122A-56483
; Sequence 56483, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangau
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT FILING DATE: 2003-02-20
; PRIOR FILING DATE: 2003-02-20

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RESULT 12
US-10-282-122A-75047
: Sequence 75047, Application US/10282122A
: Publication No. US20040029122A1
: GENERAL INFORMATION:
: APPLICANT: Wang, Liangsu
: APPLICANT: Zamudio, Carlos
: APPLICANT: Malone, Cheryl
: APPLICANT: Haselbeck, Robert
: APPLICANT: Ohlsen, Kari
: APPLICANT: Zvekind, Judith
: APPLICANT: Wall, Daniel
: APPLICANT: Trawick, John
: APPLICANT: Carr, Grant
: APPLICANT: Yamamoto, Robert
: APPLICANT: Forsyth, R.
: APPLICANT: Xu, H.
: TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
: FILE REFERENCE: ELITRA 034A
: CURRENT APPLICATION NUMBER: US/10/282,122A
: CURRENT FILING DATE: 2003-02-20
: PRIOR APPLICATION NUMBER: 60/191,078
: PRIOR FILING DATE: 2000-03-21
: PRIOR APPLICATION NUMBER: 60/206,848
: PRIOR FILING DATE: 2000-05-23
: PRIOR APPLICATION NUMBER: 60/207,727
: PRIOR FILING DATE: 2000-05-26
: PRIOR APPLICATION NUMBER: 60/230,335
: PRIOR FILING DATE: 2000-09-06
: PRIOR APPLICATION NUMBER: 60/230,347
: PRIOR FILING DATE: 2000-09-09
: PRIOR APPLICATION NUMBER: 60/242,578

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RESULT 13  
 US-10-282-122A-599321  
 Sequence 599321, Application US/10282122A  
 Publication No. US20040029129A1  
 GENERAL INFORMATION:  
 APPLICANT: Wang, Liangsu  
 APPLICANT: Zamudio, Carlos  
 APPLICANT: Malone, Cheryl  
 APPLICANT: Haeselbeck, Robert  
 APPLICANT: Ohlsen, Kari  
 APPLICANT: Zysek, Judith  
 APPLICANT: Wall, Daniel  
 APPLICANT: Trawick, John  
 APPLICANT: Carr, Grant  
 APPLICANT: Yamamoto, Robert  
 APPLICANT: Forsyth, R.  
 APPLICANT: Xu, H.  
 TITLE OR INVENTION: Identification of Essential Genes in Microorganisms  
 FILE REFERENCE: EILTHA.034A  
 CURRENT APPLICATION NUMBER: US/10/282,122A  
 CURRENT FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: 60/191,078  
 PRIOR FILING DATE: 2000-03-21  
 PRIOR APPLICATION NUMBER: 60/256,848  
 PRIOR FILING DATE: 2000-05-23  
 PRIOR APPLICATION NUMBER: 60/207,727  
 PRIOR FILING DATE: 2000-05-26  
 PRIOR APPLICATION NUMBER: 60/230,335  
 PRIOR FILING DATE: 2000-09-06  
 PRIOR APPLICATION NUMBER: 60/230,347  
 PRIOR FILING DATE: 2000-09-09  
 PRIOR APPLICATION NUMBER: 60/242,578  
 PRIOR FILING DATE: 2000-10-23  
 PRIOR APPLICATION NUMBER: 60/253,625  
 PRIOR FILING DATE: 2000-11-27  
 PRIOR APPLICATION NUMBER: 60/257,931  
 PRIOR FILING DATE: 2000-12-22  
 PRIOR APPLICATION NUMBER: 60/267,636  
 PRIOR FILING DATE: 2001-02-09  
 PRIOR APPLICATION NUMBER: 60/269,308  
 PRIOR FILING DATE: 2001-02-16  
 Remaining Prior Application data removed - See File Wrapper or PALM.



PRIOR FILING DATE: 1999-09-24 ;

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?
? NUMBER OF SEQ ID NOS: 7
? SOFTWARE: PatentIn version 3.1
? SEQ ID NO 7
? LENGTH: 109
? TYPE: PRT
? ORGANISM: Artificial Sequence
? FEATURE:
? OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
? OS-09-816-989A-7

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Query Match	100.0%	Score 519	DB 4	Length 109
Best Local Similarity	100.0%	Pred. No.	7.7e-37	
Matches 109	Conservative 0	Mismatches 0	Indels 0	Gaps 0

[illegible]

RESULT 3  
US-09-40

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1 / Sequence 6, Application US/09405/743A
2 / Patent No. 6514938
3 / GENERAL INFORMATION:
4 / APPLICANT: Yeda Research and Development Co., Ltd.
5 / TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS
6 / FILE REFERENCE: 60807-A
7 / CURRENT APPLICATION NUMBER: US/09/405,743A
8 / CURRENT FILING DATE: 1999-09-24
9 / NUMBER OF SEQ ID NOS: 7
10 / SOFTWARE: PatentIn Ver. 2.1
11 / SEQ ID NO 6
12 / LENGTH: 86
13 / TYPE: PRT
14 / ORGANISM: Artificial Sequence
15 / FEATURE:
16 / OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
17 / OTHER INFORMATION: PEPTIDE
18 / IS-09-405-743A-6

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Query Match	60.2%	Score 312.5;	DB 4;	Length 86;
Best Local Similarity	72.1%;	Pred. No. 1.1e-19;		
Matches	80;	Conservative	1;	Mismatches 3;
				Indels 27;
				Gaps 5

Qy 1 AKKTAKKAEEAYAKKAKAKAKKEKAYAKKEAKKYAKAAEAKKKAKAKKEAKKYAKKEAAKAKKEA 60  
| | | | | | | | : | | | | | | | |  
Db 1 AKKYAKK-EKAYAKKA-----EKAKKAEEAKAYAKAAEAKKKA----- 36

Dy 61 YAAEAKKYAKAAKAEKEKYAAAEEAK-KAEEA-  
 KAYKAEEAAKAAAKEEA  
 Dd 37 -KAEAKKYAKAAKAEKEKYAAAEEAKKYAAEAAKKYKAEEAKKAAAKEEA  
 86

RESULT 4  
US-09-81

: Sequence 6, Application US/09816989A  
 : Patent No. 6800287  
 : GENERAL INFORMATION:  
 : APPLICANT: Gaf, Alexander  
 : APPLICANT: Lis, Doris  
 : TITLE OR INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKERS  
 : TITLE OR INVENTION: AND FOR THERAPEUTIC USE  
 : FILE REFERENCE: 2609/60807-A-PCT-US  
 : CURRENT APPLICATION NUMBER: US/09/816,989A  
 : PRIOR FILING DATE: 2001-03-23  
 : PRIOR APPLICATION NUMBER: 60/101,693  
 : PRIOR FILING DATE: 1998-09-25  
 : PRIOR APPLICATION NUMBER: PCT/US99/22402  
 : PRIOR FILING DATE: 1999-09-24

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? NUMBER OF SEQ ID NOS: 7
? SOFTWARE: PatentIn version 3.1
? SEQ ID NO: 6
? LENGTH: 86
? TYPE: prt
? ORGANISM: Artificial Sequence
? FEATURE:
? OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
? OS-09-816-989A-6

```

Query Match	60.2%	Score	312.5	DB	4	Length	86
Similarity	72.1%	Pred. No.	1.1e-19				
Local Match							
Matches	80	Conservative	1	Mismatches	3	Indels	27
						Gaps	5

[illegible]

RESULT 5  
US-09-405-743A-5

```

1 / Sequence 5, Application US/09405743A
2 / Patent No. 6514938
3 / GENERAL INFORMATION:
4 / APPLICANT: Yeda Research and Development Co., Ltd.
5 / TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS
6 / FILE REFERENCE: 60807-A
7 / CURRENT APPLICATION NUMBER: US/09/405,743A
8 / CURRENT FILING DATE: 1999-09-24
9 / NUMBER OF SEQ ID NOS: 7
10 / SOFTWARE: PatentIn Ver. 2.1
11 / SEQ ID NO 5
12 / LENGTH: 77
13 / TYPE: PRP
14 / ORGANISM: Artificial Sequence
15 / FEATURE:
16 / OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
17 / OTHER INFORMATION: PEPTIDE
18 / US-09-405-743A-5

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Query Match	55.7%	Score 289;	DB 4;	Length 77;
Best Local Similarity	67.0%	Pred. No. 8.8e-18;		
Matches 73; Conservative	1;	Mismatches 3;	Indels 32;	Gaps 4.

**QY**

1 AKTYAKKA EKAYAKKAA EKKAYAKKEA A YKAAEAKKKAKAEAKKYAKKEAA KKEA 60  
||| ||| ||| ||| : ||| ||| ||| |||  
1 AKTYAKK- EKAYAKKA-----EKAAKKA EA KYAKAEAKKA----- 36

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OY      61 YKAEAKKYAKAAKAKEKEYAALAEAKKAAPAAKAYKAEAPAALKAAKEAYA     109
        |||||
Db       37 -KAEAKKYAKAAKAKEKEYAALAEAK-----YKAEAPAAKAAKEAYA     77
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RESULT 6  
US-09-81

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: Sequence 5, Application US/09816989A
: Patent No. 6800287
: GENERAL INFORMATION:
: APPLICANT: Gad, Alexander
: APPLICANT: Lis, Doris
: TITLE OF INVENTION: COPOLYMER 1 RELATED POLYPEPTIDES FOR USE AS MOLECULAR WEIGHT MARKERS
: TITLE OF INVENTION: AND FOR THERAPEUTIC USE
: FILE REFERENCE: 2609/60807-A-PCT-US
: CURRENT APPLICATION NUMBER: US/09/816,989A
: CURRENT FILING DATE: 2001-03-23
: PRIOR APPLICATION NUMBER: 60/101,693
: PRIOR FILING DATE: 1998-09-25
: PRIOR APPLICATION NUMBER: PCT/US99/22402
: PRIOR FILING DATE: 1999-09-24

```

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RESOLD TO
US-09-405-743A-3
; Sequence 3, Application US/09405743A
; Patent No. 6514938
; GENERAL INFORMATION:
; APPLICANT: Yeda Research and Development Co., Ltd.
; TITLE OF INVENTION: GLATIRAMER ACETATE MOLECULAR WEIGHT MARKERS
; FILE REFERENCE: 60807-A
; CURRENT APPLICATION NUMBER: US/09/405,743A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3

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1 OPERATING SYSTEM: IBM P.C. DOS 5.0
2 SOFTWARE: FastSec for Windows 2.0
3 CURRENT APPLICATION DATA:
4 APPLICATION NUMBER: us/08/462,040
5 FILING DATE: June 5, 1995
6 CLASSIFICATION: 536
7 PRIOR APPLICATION DATA:
8 APPLICATION NUMBER: 08/167,641
9 FILING DATE: December 14, 1993
10 APPLICATION NUMBER: 07/855,389
11 FILING DATE: March 20, 1992
12 APPLICATION NUMBER: PCT/US93/02725
13 FILING DATE: March 19, 1993
14 ATTORNEY/AGENT INFORMATION:
15 NAME: Warburg, Richard J.
16 REGISTRATION NUMBER: 32,327
17 REFERENCE/DOCKET NUMBER: 212/078
18 TELECOMMUNICATION INFORMATION:
19 TELEPHONE: (213) 489-1600
20 TELEFAX: (213) 955-0440
21 TELEX: 67-3510
22 INFORMATION FOR SEQ ID NO: 64:
23 SEQUENCE CHARACTERISTICS:
24 LENGTH: 100 amino acids
25 TYPE: amino acid
26 STRANDEDNESS: single
27 TOPOLOGY: linear
28 MOLECULE TYPE: peptide
29 FEATURE:
30 OTHER INFORMATION: "Lys Ala" in positions 3 to 100 may be
31 present or absent.
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Search completed: July 27, 2005, 01:26:48  
Job time : 33.1941 secs